



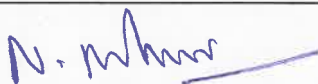
**V.S.B. College of Engineering Technical Campus**

**(An Autonomous Institution)**

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai  
NAAC Accredited Institution, NBA Accredited Courses  
Coimbatore to Pollachi Road NH -209, Ealur Privu, Kinathukadavu Taluk,  
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# **UG - Regulations-2025**

## **(CBCS)**

| Action      | Responsibility | Signature of Authorized signatory                                                  |
|-------------|----------------|------------------------------------------------------------------------------------|
| Compiled by | Office of CoE  |  |
| Approved by | Principal      |  |

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## **REGULATIONS 2025 - CHOICE BASED CREDIT SYSTEM**

### **Common to all B.E./B.Tech. Full-Time Programmes**

**(For the students admitted to B. E./B.Tech. Programmes at various discipline from the Academic Year 2025-2026)**

### **DEGREE OF BACHELOR OF ENGINEERING / BACHELOR OF TECHNOLOGY**

The following regulations are applicable to all the UG programmes offered by V.S.B. College of Engineering Technical Campus, Coimbatore, affiliated to Anna University, Chennai with effect from the Academic Year 2025-2026.

#### **1. PRELIMINARY DEFINITIONS AND NOMENCLATURE**

In these Regulations, unless the context otherwise requires:

- I. **“VSBCETC”** is the abbreviation for V.S.B. College of Engineering Technical Campus, Coimbatore, and wherever the term college is used, it implies VSBCETC.
- II. **“Programme”** means Degree Programme, that is B.E. / B.Tech Degree Programme.
- III. **“Discipline”** means specialization or branch of B.E./B.Tech. Degree Programme, like Mechanical Engineering, Civil Engineering, Information Technology, etc.
- IV. **“Course”** means a theory or practical subject that is normally studied in a semester, like Mathematics, Physics, etc.
- V. **“Principal”** is the Head of the Institution who is responsible for all the academic activities of the institution and the implementation of relevant rules of these Regulations.
- VI. **“Chairperson”** means the Head of the Faculty.
- VII. **“Head of the Department (HoD)”** means the Head of the Department concerned.
- VIII. **“Controller of Examinations (CoE)”** means the authority of the College who is responsible for all activities of the Institution Examinations.
- IX. **“University”** means ANNA UNIVERSITY, CHENNAI.

## 2. ADMISSION

### 2.1 Candidates seeking admission to the **first semester** of the eight semesters B.E./ B.Tech. Degree Programme:

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.

**(OR)**

Should have passed the Higher Secondary Examination of Vocational stream (Vocational groups in Engineering / Technology) as prescribed by the Government of Tamil Nadu.

### 2.2 Lateral entry admission

- (i) The candidates who possess the Diploma in Engineering / Technology awarded by the State Board of Technical Education, Tamil Nadu 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 Government of Tamil Nadu.

**(OR)**

- (ii) 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.

Such candidates shall undergo two additional Engineering subject(s) in the **third and fourth semesters** as prescribed by the institute.

## 3. PROGRAMMES OFFERED

A student may be offered admission to any one of the programme and branch of study approved by the University and offered at VSBCETC. The recommended credit range for each programme is 165 - 170.

Details of programmes currently being offered by VSBCETC in **Annexure - I**

## 4. STRUCTURE OF PROGRAMMES

### 4.1 Categorization of Courses

Every B.E. / B. Tech. Programme will have a curriculum with syllabi consisting of theory and practical courses as decided by the respective Board of Studies that shall be categorized as follows:

- i. **Humanities, Social Sciences and Management Courses (HSMC)** includes Professional English, Communication skills etc.
- ii. **Basic Sciences Courses (BSC)** includes Mathematics, Physics, Chemistry, Biology, Environmental Science etc.
- iii. **Engineering Sciences Courses (ESC)** includes Engineering Practices, Engineering Graphics, Basics of Civil / Mechanical / Electrical / Electronics / Instrumentation, Computer Engineering, etc.
- iv. **Professional Core Courses (PCC)** includes the core courses relevant to the chosen specialization/branch.
- v. **Professional Elective Courses (PEC)** includes the elective courses relevant to the chosen specialization/ branch.
- vi. **Open Elective Courses (OEC)** includes 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)** includes Project Work, Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training etc.
- viii. **Audit Courses (AC)** expose the students to Unnat Bharath Abhiyan, Constitution of India, Essence of Indian Knowledge Traditional, Yoga, English for Research Paper Writing, Value education, Pedagogy Studies, Stress Management and Personality Development through Life Enlightenment Skills. Registration for any of these courses is optional to students. There shall be a certain minimum of Core courses and sufficient number of Elective courses that can be opted by the students. The blend of different courses shall be so designed that the student, at the end of the programme, would have been trained not only for his/her relevant professional field but also would have developed as a socially conscious human professional.

## 4.2 Personality and Character Development

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.

**National Cadet Corps (NCC)** will have about 20 parades.

**National Service Scheme (NSS)** will have social service activities in and around the College / Institution.

**National Sports Organization (NSO)** will have Sports, Games, Drills and Physical exercises.

**Youth Red Cross (YRC)** will have activities related to social services in and around College/Institution.

While the training activities will normally be during weekends, the camp will normally be during vacation period.

**Science club** shall organise activities of popularisation of science and scientific temper through activities related to astronomy, works of great scientists from India and abroad, observing National Science Day, etc.

**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.

**Fine Arts Club** like music, painting and documentary films with social themes shall be encouraged.

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.

No fee shall be charged for all these activities.

#### **4.3 Mandatory Two Week Induction Programme**

The students are expected to undergo a mandatory two week induction programme comprising of physical activity, creative arts, universal human values, proficiency modules, lectures by eminent people, visits to local areas and familiarization to department / branch & innovations immediately after admission.

#### **4.4 Number of courses per semester**

The Curriculum of a semester shall normally have a blend of 4 to 6 lecture courses, except the pre-final and final semesters, and laboratory courses, not exceeding 2. In addition, Employability Enhancement Course(s) may also be included. Each course may have credits assigned as per clause 4.5. However, the total number of courses per semester shall not exceed 10 (including EEC). Pre-final semester may have 4 to 6 lecture courses, Project 1 and laboratory courses not exceeding 2. The final semester may have a blend of 2 or 3 lecture courses and Project 2.

#### 4.5 Credit Assignment

Each course is assigned certain number of credits based on the following:

| Contact period per week                                             | Credits |
|---------------------------------------------------------------------|---------|
| 1 Lecture Period / 1 Tutorial Period                                | 1       |
| 2 Practical Periods<br>(Laboratory / Seminar / Project Work / etc.) | 1       |

#### 4.6 Industrial Training/ Internship

4.6.1 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 the entire period.

The students may undergo Internship at a Research organization / University / industry (after due approval from the Department Consultative Committee) for the period prescribed in the curriculum during the summer / winter vacation, in lieu of Industrial training.

4.6.2 If Industrial Training / Internship is not prescribed in the curriculum, the student may undergo Industrial Training / Internship optionally and the credits earned will be indicated in the Mark Sheet. If the student earns three credits in Industrial Training / Internship, the student may drop one Professional Elective. In such cases, Industrial Training / Internship need to be undergone continuously from one organization only. However, if the number of credits earned is 1 or 2, these credits shall not be considered for classification of the degree. The student is allowed to undergo a maximum of 6 weeks Industrial Training / Internship during the entire duration of study.

| Duration of Training / Internship | Credits |
|-----------------------------------|---------|
| 2 Weeks                           | 1       |
| 4 Weeks                           | 2       |
| 6 Weeks                           | 3       |

#### 4.7 Industrial Visit

Every student is required to go for at least one Industrial Visit every year, starting from the second year of the Programme.

#### **4.8 Value Added Courses**

Students may optionally undergo Value Added Courses 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 a Department with the prior approval from the Principal. The details of the syllabus, time table and faculty may be sent to the CoE after approval from the Departmental Consultative Committee concerned. Students can take a maximum of two 'one credit courses' or one 'two credit course'. They shall be allowed to take one / two credit courses offered in other Departments with the permission of the Head of the Department offering the course.

#### **4.9 Online Courses**

- 4.9.1 Students may be permitted to credit only one online course with the approval of the HoD and Principal.
- 4.9.2 Students may be permitted to credit online courses (which are provided with certificate) with the approval of the HoD and Principal, subject to a maximum of three credits.
- 4.9.3 The online course of 3 credits can be considered instead of one elective course. Suitable online courses shall be chosen from the NPTEL/SWAYAM platform.

#### **4.10 Medium of Instruction**

The medium of instruction is English for all the courses, examinations, seminar presentations and project / thesis / dissertation reports

### **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 90 working days (including examination days). The Head of the Department shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus, covering the full content of the syllabus for the course being taught.
- 5.3 The total duration for completion of the programme reckoned from the commencement of the first semester to which the student was admitted shall not exceed the maximum duration specified in clause 5.1, irrespective of the period of break of study (vide clause 16), or prevention (vide clause 7.4), in order that the student may be eligible for the award of the degree (vide clause 14).



## **6. COURSE ENROLLMENT AND REGISTRATION**

6.1 Each student, on admission shall be assigned to a Class Coordinator (vide clause 8) who shall advise and counsel the student about the details of the academic programme and the choice of courses considering the student's academic background and career objectives.

6.2 A course shall be offered by a department only if a minimum of ten students register for that course. Special permission has to be obtained from the Principal to offer a course for less than ten students.

6.3 After registering for a course, a student shall attend the classes, satisfy the attendance requirements, earn continuous assessment marks and appear for the end semester examinations.

6.3.1 The enrollment and registration for all the courses of Semester I and II are compulsory.

6.3.2 The enrollment for all the courses from the Semesters II to VIII will commence 5 working days prior to the commencement of the succeeding semester. The student shall enroll for the courses with the guidance of the student's Faculty Advisor. If the student wishes, the student may drop or add courses (vide clause 6.4) within 5 working days after the commencement of the concerned semester and complete the registration process duly authorized by the Faculty Advisor.

### **6.4 Flexibility to Add or Drop courses**

6.4.1 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. However, if the student wishes, then the student is permitted to earn more than the total number of credits prescribed in the curriculum of the student's programme within the minimum duration of the programme.

6.4.2 From the III to VIII semesters, the student has the option of registering for additional courses or dropping existing courses. The total number of credits that a student can add or drop is limited to 8, subject to a maximum of 2 courses.

### **6.5 Redoing a Course**

Redoing a course means reregistering for a course, attending all classes, fulfilling the attendance requirements as per clause 7, earning fresh Continuous Assessment marks and appearing for End Semester Examinations. A student has to redo a course in the following conditions.

- 6.5.1 If a student is prevented from writing end semester examination of any core course due to lack of attendance, the student has to register for that course again when offered next and redo the course.
- 6.5.2 If a student is prevented from writing the end semester examination of any professional/open elective course due to lack of attendance, the student can opt to register for the same course again when offered next and redo the course, or he/she can opt to register for a different professional/open elective course when it is offered, attend classes, fulfill the attendance requirements as per clause 7, secure Continuous Assessment marks and appear for End Semester Examinations.
- 6.5.3 If a student fails to secure a pass in any theory or Laboratory course (including elective theory), he/she is given a maximum of three arrear attempts to complete the course as per Clause 11.2. If the student still fails to secure a pass, he/she shall register for the same when offered next and redo the course.
- 6.5.4 If the course in which the student fails to secure a pass even after three arrear attempts is a professional/open elective course, then the student can opt for a different professional/ open elective course, register for the same when it is offered, attend classes, fulfill the attendance requirements as per clause 7, secure Continuous Assessment marks and appear for End Semester Examinations.
- 6.5.5 The student who fails in any Project work (Project 1 / Project 2) shall register for the course again, when offered next, and redo the course. In this case, the student shall attend the reviews and fulfill the attendance requirements as per clause 7.
- 6.5.6 The student who fails in Seminar / Internship / Case Study and Industrial / Practical Training and Creative and Innovative project shall register for the same in the subsequent semester and redo the course. In this case, the student shall attend the classes and fulfill the attendance requirements as per clause 7.

## **7. REQUIREMENTS FOR APPEARING FOR THE END SEMESTER EXAMINATION OF A COURSE**

- 7.1. Ideally, every student is expected to attend all periods and earn **100% attendance**. However, the student shall secure **not less than 75% attendance** which will be calculated by considering all the courses in the curriculum.

Percentage of Attendance

$$= \frac{\text{Total number of periods attended in all the courses per semester}}{\text{(No. of periods / week as prescribed in the curriculum) X 15 taken together for all courses of the semester}} \times 100$$

7.2 If a student secures overall **attendance between 65% and 75%** in a semester due to medical reasons (hospitalization / accident / specific illness) or due to participation in the College / University / State / National / International level Sports events with prior permission from the Principal, the student may be permitted to appear for the semester examinations subject to the condition that the student submits the medical certificate / sports participation certificate to the Principal. The same shall be forwarded to the Controller of Examinations.

7.3 Students who secure **less than 65%** overall attendance (vide Clause 7.1 and 7.2) shall not be permitted to appear for the end semester examination and shall not be permitted to move to the next semester. He/she is required to repeat the incomplete semester in the next academic year as per the readmission norms of the affiliating University and Directorate of Technical Education.

7.4 A student shall normally be permitted to appear for the end semester examination of the course, if the student has satisfied the attendance requirements (vide Clause 7.1 – 7.3) and registered for examination in those courses of that semester by paying the prescribed fee.

7.5 A student who has already appeared for a course in a semester and passed the examination is not entitled to reappear in the same course for improvement of letter grades.

## 8. CLASS ADVISOR

To help the students in planning their courses of study and for general advice on the academic programme, the Head of the Department of the students will attach a certain number of students to a teacher of the Department, who shall function as Class Advisor for those students throughout their period of study. The Class Advisor shall advise the students in registering and reappearance (Arrear) registering of courses, authorize the process, monitor their attendance and progress and counsel them periodically. If necessary, the Class Advisor may also discuss with or inform the parents about the progress / performance

of the students concerned

The responsibilities of the faculty advisor shall be:

- ✓ To inform the students about the various facilities and activities available to enhance the student's curricular and co-curricular activities.
- ✓ To guide student enrollment and registration of the courses.
- ✓ To authorize the final registration of the courses at the beginning of each semester.
- ✓ To monitor the academic and general performance of the students including attendance and to counsel them accordingly.
- ✓ To collect and maintain the academic and co-curricular records of the students.

## **9. COURSE COMMITTEE**

Theory and practical courses offered to more than one discipline or section, shall have a "Course Committee" comprising 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 / the Principal 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 the design, delivery and assessments of the course, across the sections / discipline. The committee shall also ensure a uniform evaluation of the tests. Wherever feasible, the course committee may also prepare a common question paper for the Continuous Assessment test(s).

## **10. CLASS COMMITTEE**

10.1 Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson who does not teach the class. The overall goal of the class committee is to improve the teaching-learning process. The functions of the class committee include:

- ✓ Solving problems experienced by students in the class room and in the laboratories.
- ✓ Clarifying the regulations of the degree programme and the details of the rules therein.
- ✓ Informing the student representatives about the academic schedule including the dates of assessments and the syllabus portion for each assessment.
- ✓ Informing the student representatives about the details of Regulations regarding

weightage used for each assessment. In the case of practical courses (laboratory / project work 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 after each test and finding remedial measures, if any.
- ✓ Identifying the slow learners, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such slow learners.

10.2 The class committee for a class under a particular programme is normally constituted by the Head of the Department within the first week of each semester.

10.3 At least FOUR student representatives (both boys and girls) shall be included in the class committee.

10.4 The Chairperson of the class committee may invite the Class Advisor and the Head of the Department to the class committee meeting.

10.5 The Principal may participate in any class committee meeting of the institution.

10.6 The chairperson is required to prepare the minutes of every meeting, submit the same to the Principal within two days of the meeting and arrange to circulate it among the students and teachers concerned. If there are any points in the minutes requiring action by the management, the same shall be brought to the notice of the Management by the Principal.

10.7 The first meeting of the class committee shall be held within one week from the date of commencement of the semester. Two or three subsequent meetings may be held in a semester at suitable intervals. The Class Committee Chairperson shall display 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 clause 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.

## **11. SYSTEM OF EXAMINATION**

Performance in each course of study shall be evaluated based on (i) continuous internal assessment throughout the semester and (ii) End semester examination at the end of the semester.

Each course, both theory and practical (including project work & viva voce examinations) shall be evaluated for a maximum of **100 marks**.

For all theory courses, the continuous internal assessment will carry **40 marks** while the End Semester examination will carry **60 marks**.

For all theory courses with laboratory component, the continuous internal assessment will carry **50 marks** while the End Semester examination will carry **50 marks**.

For all laboratory courses, the continuous internal assessment will carry **60 marks** while the End Semester examination will carry **40 marks**.

The continuous internal assessment for the project work will carry **40 marks** while the End Semester examination will carry **60 marks**.

Seminar shall carry 100 marks and shall be evaluated through internal assessment only.

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.

The End semester 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.

For the examination of practical courses including Project Work, the internal and external examiners shall be appointed by the Controller of Examinations, VSBCETC.

## **12. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT**

For all theory, laboratory courses, theory courses with laboratory component and project work the continuous assessment shall be awarded as per the procedure given below:

### **12.1 THEORY COURSES**

Two assessments each carrying 100 marks shall be conducted during the semester by the Department / College concerned. The total marks obtained in all assessments put together out of 200, shall be proportionately reduced for 40 marks and rounded to the nearest integer (This also implies equal weightage to the two assessments).

| <b>Assessment I (100 Marks)</b>                             |          |              | <b>Assessment II (100 Marks)</b>                            |              | <b>Total Internal Assessment</b> |
|-------------------------------------------------------------|----------|--------------|-------------------------------------------------------------|--------------|----------------------------------|
| Individual Assignment / Case Study / Seminar / Mini Project | MCQ Test | Written Test | Individual Assignment / Case Study / Seminar / Mini Project | Written Test |                                  |
| 20                                                          | 20       | 60           | 40                                                          | 60           | 200*                             |

\*The weighted average shall be converted into 40 marks for internal Assessment.

Two internal assessments will be conducted as a part of continuous assessment. Each internal assessment is to be conducted for 100 marks and will have to be distributed in two parts viz., Individual Assignment/Case study/Seminar/Mini project and Test with each having a weightage of 40% and 60% respectively. The tests shall be in written mode. The total internal assessment marks of 200 shall be converted into a maximum of 40 marks and rounded to the nearest integer.

## 12.2 LABORATORY COURSES

The maximum marks for Internal Assessment shall be 60 marks in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of experiment / exercise and records to be maintained. There shall be at least one test. The criteria for arriving at the Internal Assessment marks of 60 is as follows: 75 marks shall be awarded for successful completion of all the prescribed experiments done in the Laboratory and 25 marks for the test. The total mark shall be converted into a maximum of 60 marks and rounded to the nearest integer.

| Internal Assessment (100 Marks) *            |      |
|----------------------------------------------|------|
| Evaluation of Laboratory Observation, Record | Test |
| 75                                           | 25   |

\* Internal assessment marks shall be converted into 60 marks.

## 12.3 THEORY COURSES WITH LABORATORY COMPONENT

If there is a theory course with laboratory component, there shall be two assessments: the first assessment (maximum mark is 100) will be similar to assessment of theory course and the second assessment (maximum mark is 100) will be similar to assessment of laboratory course respectively. The weightage of first assessment shall be 40% and the second assessment be 60 %. The weighted average of these two assessments shall be converted into 50 marks and rounded to the nearest integer.

| Assessment I (40% weightage)<br>(Theory Component)          |          |              | Assessment II (60% weightage)<br>(Laboratory Component) |      | Total<br>Internal<br>Assessment |
|-------------------------------------------------------------|----------|--------------|---------------------------------------------------------|------|---------------------------------|
| Individual Assignment / Case Study / Seminar / Mini Project | MCQ Test | Written Test | Evaluation of Laboratory Observation, Record            | Test |                                 |
| 20                                                          | 20       | 60           | 75                                                      | 25   | 200*                            |

\*The weighted average shall be converted into 50 marks for internal Assessment.

## 12.4 PROJECT WORK

The student shall register for Project Work-I in pre-final year (VI Semester) and Project Work-II in final year (VIII Semester). Project work may be allotted to a single student or to a group of students not exceeding 4 per group. Project Work-II may/may not be a continuation of Project Work-I. If Project Work II is not a continuation of Project Work I, then the topic and constitution of the project team members need not be the same.

12.4.1 Project Work shall be carried out under the supervision of a “qualified teacher” in the Department concerned. In this context “qualified teacher” means the faculty member possessing (i) PG degree or (ii) Ph.D. degree.

12.4.2 The Project Work-II carried out in industry/academic/research institutions need not be a continuation of Project Work-I. In such cases, the Project Work-II shall be jointly supervised by a supervisor of the department and an expert as a joint supervisor from the organization and the student shall be instructed to meet the supervisor periodically and to attend the review committee meetings for evaluating the progress. The review meetings, if necessary, may also be arranged in online mode with prior approval from the Head of the Institution and suitable record of the meetings shall be maintained.

12.4.3 The Head of the Institutions shall constitute a review committee for Project Work for each programme. The review committee consists of supervisor, an expert from the Department and a project coordinator from the Department. If the project coordinator / expert member happens to be the supervisor, then an alternate member shall be nominated. In the case of Industrial Project, the review committee shall have the supervisor, the coordinator from industry and the project coordinator from the Department.

There shall be three reviews during the semesters VII and VIII 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 12.4.4).

12.4.4 The project report shall carry a maximum of 20 marks. The project report shall be submitted as per the approved guidelines as given by the Director, Centre for Academic Courses. Same marks 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 is based on the individual performance in the viva- voce examination.



| Review I | Review II | Review III | End Semester Examinations |          |                       |          |            |
|----------|-----------|------------|---------------------------|----------|-----------------------|----------|------------|
|          |           |            | Project Report            |          | Viva-Voce Examination |          |            |
| 10       | 15        | 15         | Internal                  | External | Internal              | External | Supervisor |
|          |           |            | 10                        | 10       | 10                    | 20       | 10         |

12.4.5 The last date for submission of the project report is on the last working day of the semester. If a student fails to submit the project report on or before the specified deadline or the student has submitted the project report but did not appear for the viva-voce examination, it will be considered as fail in the Project Work and the student shall re- register for the same in the subsequent semester.

## 12.5 OTHER EMPLOYABILITY ENHANCEMENT COURSES

- The Seminar / Case Study / Mini Project course is to be considered as purely INTERNAL (with 100% internal marks only). Every student is expected to present a minimum of 2 seminars per semester before the evaluation committee and for each seminar, marks can be equally apportioned. The three member committee appointed by the Head of the Institution, consisting of the course coordinator and two experts from the Department, will evaluate the seminar and at the end of the semester, the marks shall 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%).
- The Industrial / Practical Training, Summer Project, Internship, shall carry 100 marks and shall be evaluated through internal assessment only. At the end of Industrial / Practical Training / Internship / Summer Project, the student shall submit an attendance certificate from the organization where he / she has undergone training and a brief report. 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 Head of the Institution consisting of the course coordinator and two experts from the Department. The certificates (issued by the organization) submitted by the students shall be attached to the mark list sent by the Head of the Institution to the Controller of Examinations.
- For all the courses under Employability Enhancement Courses Category, except the Project Work, the evaluation shall be done with 100% internal marks and as per the procedure described in clause 12.5 (a) / (b).

#### **12.6 ASSESSMENT FOR VALUE ADDED COURSES**

The one / two credit course shall carry 100 marks and shall be evaluated through continuous assessments only. Two Assessments as per the clause 12.1 or 12.2 shall be conducted by the Department concerned. The total marks obtained in the assessments shall be reduced to 100 marks and rounded to the nearest integer. A committee consisting of the Head of the Department, staff handling the course and a senior faculty member nominated by the Head of the Institution shall do the evaluation process. The list of students along with the marks and the grades earned shall be forwarded to the Controller of Examinations for appropriate action at least one month before the commencement of End Semester Examinations. The grades earned by the students for Value Added Courses will be recorded in the Grade Sheet, however the same shall not be considered for the computation of CGPA.

#### **12.7 ASSESSMENT FOR ONLINE COURSES**

Students may be permitted to credit two online courses (which are provided with certificate), subject to a maximum of six credits. The online course of 3 credits can be considered instead of one elective course. These online courses shall be chosen from the NPTEL/SWAYAM platform, provided the offering organisation conducts regular examination and provides marks. The credits earned shall be transferred and the marks earned shall be converted into grades and transferred, provided the student has passed in the examination as per the norms of the offering organisation. The details regarding online courses taken up by the student and marks/credits earned and the approval for the course from Principal shall be sent to the Controller of Examinations, VSBCETC in the subsequent semester(s) along with the details of the elective(s) to be dropped.

#### **12.8 Internal marks approved by the Principal shall be displayed by the respective HODs within 5 days from the last working day.**

#### **12.9 Conduct of Academic Audit by every Institution**

The Principal shall arrange to conduct the Academic Audit for every course in a semester by forming the respective committees.

Any inspection team appointed by the institute may verify the records of Academic Audit report of the courses of both current and previous semesters, as and when required.

### **13. REQUIREMENTS FOR APPEARING FOR END SEMESTER EXAMINATIONS**

A candidate shall normally be permitted to appear for End semester examination of the current semester if he / she has satisfied the semester completion requirements (vide Clause 7) and has registered for examination in all courses of that semester by paying the prescribed fee.

However, for students having arrear courses of the previous semester(s), in order to write the current end semester examination, the registration is mandatory for the examination of all the courses of that semester and all arrear courses of the previous semester(s) by paying the prescribed fee, failing which, the candidates will not be permitted to move to the higher semester.

A candidate who has already appeared for any course in a semester and passed the examination is not entitled to reappear in the same course for improvement of letter grades / marks.

#### **14. PASSING REQUIREMENTS**

- 14.1 A student who secures not less than 50% of total marks prescribed for the course [Internal Assessment + End semester Examinations] with a minimum of 45% of the marks prescribed for the end-semester Examination, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for both theory and laboratory courses (including project work).
- 14.2 If a student does not secure a pass in a particular course, it is mandatory that the student should register and reappear for the examination in that course during subsequent semesters; the student should continue to register and reappear for the examination till he / she secures a pass. Students are encouraged to attend remedial classes organized by the department.
- 14.3 The Continuous Assessment marks obtained by the student in the first appearance shall be retained and considered valid only for THREE attempts. For further attempts, the student should secure minimum 50 marks exclusively from the End Semester Examinations conducted for 100 marks for passing the course.

#### **15. AWARD OF LETTER GRADES**

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

| Letter Grade                | Grade Points* | Range of Marks |
|-----------------------------|---------------|----------------|
| O (Outstanding)             | 10            | 91-100         |
| A + (Excellent)             | 9             | 81-90          |
| A (Very Good)               | 8             | 71-80          |
| B + (Good)                  | 7             | 61-70          |
| B (Average)                 | 6             | 57-60          |
| C (Satisfactory)            | 5             | 50-56          |
| RA (Re-appearance)          | 0             | 0-49           |
| SA (Shortage of Attendance) | 0             | —              |
| W (Withdrawal)              | 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 (as per clause 7.3) and hence prevented from writing the end semester examinations. ‘SA’ will appear only in the result sheet.

“RA” denotes that the student has failed to pass in that course. “W” denotes withdrawal from the exam for the particular course. The grades **RA** and **W** will figure both in the Grade Sheet as well as in the Result Sheet. In both cases, the student has to appear for the End Semester Examinations as per the Regulations.

If the grade RA is given to **Theory Courses/ Laboratory Courses** it is **not required to satisfy the attendance requirements** (vide clause 7), but has to appear for the end semester examination and fulfill the norms specified in clause 14 to earn a pass in the respective courses.

If the grade RA is given to **EEC course (except Project Work), 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.

- 15.2 For the Co-curricular activities such as National Cadet Corps (NCC)/ National Service Scheme (NSS) / NSO / YRC / Science club / Literary Club/ Fine Arts Club, a ‘completed’ remark will appear in the Grade Sheet on successful completion of the same. Every student shall put in a minimum of 75% attendance in the training and attend the camp or events of the clubs compulsorily. The training and camp or club events shall be completed during the first year of the programme. However, for valid reasons, the Head of the Institution may permit a student to complete this requirement in the subsequent years.

Successful completion of any one of the above co-curricular activities is compulsory for the award of degree.

15.3 The grades O, A+, A, B+, B, C obtained for the one/two credit 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 RA, SA **will not figure in the Grade Sheet.**

15.4 For the students who complete the Audit Course satisfying attendance requirement, the title of the Audit Course will be mentioned in the Grade Sheet. If the attendance requirement is not satisfied, it will not be shown in the Grade Sheet.

### 15.5 **GRADE SHEET**

After results are declared, Grade Sheets will be issued to each student which will contain the following details:

- ✓ The college in which the student has studied
- ✓ The list of courses registered 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.

GPA for a semester is the ratio of the sum of the products of the number of credits acquired for courses and the corresponding points to the sum of the number of credits acquired for the courses in the semester. CGPA will be calculated in a similar manner, considering all the courses registered from first semester. RA grades will be excluded for calculating GPA and CGPA.

### **FORMULAE FOR GPA & CGPA**

$$\text{GPA / CGPA} = \frac{\sum_{i=1}^n C_i GP_i}{\sum_{i=1}^n C_i}$$

where **C<sub>i</sub>** is the number of Credits assigned to the course

**GP<sub>i</sub>** is the point corresponding to the grade obtained for each course

**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.

## FORMULA FOR CALCULATING PERCENTAGE

$$\text{CGPA} \times 10 = \% \text{ OF MARKS}$$

### 16. ELIGIBILITY FOR THE AWARD OF THE DEGREE

16.1 A student shall be declared to be eligible for the award of the B.E. / B.Tech Degree provided the student has

- ✓ Successfully gained the required number of total credits as specified in the curriculum corresponding to the student's programme within the stipulated time.
- ✓ Successfully completed the course requirements, appeared for the End - Semester examinations and passed all the subjects within the period as prescribed in clause 5.1.
- ✓ Successfully passed any additional courses prescribed by the Course Equivalency Committee constituted by the Principal whenever re-admitted under any other regulations.
- ✓ Successfully completed the NCC / NSS / NSO / YRC / Science Club / Literature Club / Fine Arts Club requirements.
- ✓ No disciplinary action pending against the student.

### 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 (6 semesters in the case of Lateral Entry) in the student's First Appearance within **5** years (4 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) is included in the 5 years in the case of regular and 4 years in the case of lateral entry for award of First Class with Distinction.
- ✓ Should NOT have been prevented from writing end semester examination due to lack of attendance in any semester / course.

#### 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 8 semesters

and 6 semesters in the case of Lateral Entry **within five years** and **4 years** in the case of Lateral Entry.

- ✓ One year authorized break of study (if availed) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of 6 years for regular students and 5 years in the case of lateral entry students for award of First Class.
- ✓ Should have secured a CGPA of not less than **6.50**.

### 16.2.3 **SECOND CLASS**

All other 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**.

16.3 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. (subject to clause 17).

### 16.4 **Photocopy / Revaluation**

A student can apply for photocopy of his/her end semester examination answer script in a theory course, as per the guidelines of the CoE, VSBCETC, on payment of a prescribed fee through proper application to the Controller of Examinations. The answer script is to be valued and justified by a faculty member, who has handled the subject and recommend for revaluation with t h e breakup of marks for each question. Based on the recommendation, the student 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 student concerned through the Head of the Institutions. Revaluation is not permitted for practical courses, projects and EEC courses.

A student can apply for revaluation of answer scripts for not exceeding 5 subjects at a time.

### 16.5 **Review**

Students 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 the Controller of Examinations through the Head of the Institution.

Students applying for Revaluation only are eligible to apply for Review.

## **17. PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION**

- 17.1 A student for valid reasons (Medically unfit/unexpected family situations/Sports approved by Physical Director and Principal) and on prior application, may be granted permission to withdraw from appearing for the examination of any one course or consecutive examinations of more than one course in a semester examination. Such withdrawal shall be permitted **only once** during the entire period of study of the degree programme.
- 17.2 Withdrawal is valid only if the student satisfies the attendance requirement (vide Clause 7) Application for withdrawal must be submitted before the last working day and recommended by the Head of the Department. It should be approved by the Principal.
- 17.2.1 Notwithstanding the requirement of mandatory last working day notice, applications for withdrawal under extraordinary conditions will be considered based on the merit of the case.
- 17.3 Notwithstanding the requirement of mandatory 10 days, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.
- 17.4 If a student withdraws from writing end semester examinations for a course or courses, he/she shall register for the same in the subsequent semester and write the end semester 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 end semester 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 authorised 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 student may apply for additional break of study not exceeding another one year by paying prescribed fee for break of study. If a student 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 the student applies in advance to the Principal, but not later than the



last date for registering for the end semester 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 students 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 through the Head of the Department at the beginning of the readmitted semester and the Course Equivalency committee shall prescribe 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 is included in 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 for want of required attendance, the period of prevention shall not be considered as authorized 'Break of Study' (Clause 18.1).

## **19. DISCIPLINE**

- 19.1 Every student is required to observe discipline 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 college. The Principal shall constitute a disciplinary committee consisting of the Principal or his nominee, two Heads of the Departments, of which one should be from the faculty of the student, to enquire into acts of indiscipline and notify the Management of the College about the disciplinary action recommended for approval.
- 19.2 If a student indulges in malpractice in any of the End Semester / Continuous Assessment examination, the student shall be liable for punitive action as prescribed by the college or in line with Anna University from time to time.

## **20. REVISION OF REGULATIONS, CURRICULUM AND SYLLABI**

The college may from time to time revise, amend or change the Regulations, scheme of examinations and syllabi if found necessary. Such changes will be notified to the students and the faculty members.

## **ANNEXURE I**

### **Four Years B. E / B. Tech Degree Courses:**

- B.E - Computer Science and Engineering
- B.E - Computer Science and Engineering (Artificial Intelligence and Machine Learning)
- B.E - Electronics & Communication Engineering
- B.E - Electrical and Electronics Engineering
- B.E - Mechanical Engineering
- B.Tech - Agricultural Engineering
- B.Tech - Artificial Intelligence & Data Science
- B.Tech - Information Technology