

ACADEMIC REGULATIONS

REGULATIONS 2026

CHOICE BASED CREDIT SYSTEM

B.E. / B.Tech. Degree Full-time Programme

Applicable to the students admitted in B.E. / B.Tech. Programmes, from the
Academic year 2026 – 2027



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN



(An Autonomous Institution, affiliated to Anna University,

Approved by AICTE, New Delhi,

Accredited with NAAC A++ and ISO 9001:2015 Certified)

Elayampalayam, Tiruchengode – 637 205

PRINCIPAL,
VIVEKANANDHA COLLEGE OF
ENGINEERING FOR WOMEN,
(Autonomous)
ELAYAMPALAYAM - 637 205
Tiruchengode Tk. Namakkal Di
TAMIL NADU

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VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN



(Autonomous Institution, Affiliated to Anna University)

REGULATIONS 2026

CHOICE BASED CREDIT SYSTEM

Bachelor of Engineering / Bachelor of Technology Programme

(Full-Time)

The following regulations are applicable to the students who admitted to B.E. / B.Tech. Degree Programmes in the Institution from the Academic Year 2026 – 2027 onwards.

1. Title

These regulations shall be called as 'Academic Regulations 2026'. In short, it is referred as 'R2026 - UG'.

2. Scope

2.1. The regulations provided herein shall apply to the students admitted in the Undergraduate (UG), B.E. / B.Tech. Programmes, offered from the Academic year 2026 – 2027.

2.2. These regulations are quite comprehensive and include definitions of key terms, critical concepts, methods of calculations, roles of various committees, evaluation systems and other academic processes.

3. Definitions

3.1. 'University' means 'ANNA UNIVERSITY, CHENNAI'.

3.2. 'Choice-Based Credit System (CBCS)' is a flexible system of learning that permits students to

- a) learn at their convenient pace.
- b) choose courses from a wide range of elective courses offered by the departments.
- c) adopt an inter / multi-disciplinary approach in learning and
- d) make the best use of the expertise of available faculty.

- 3.3. **'Programme'** means Degree Programme (i.e) B.E. / B.Tech. Degree Programme.
- 3.4. **'Discipline'** means Branch of B.E. / B.Tech. Degree Programme, like Civil Engineering, Biotechnology, etc.,
- 3.5. **'Semester'** means a term of study consisting of a minimum of 75 working days. The Semester scheduled between June and November shall be called as 'Odd Semester' (I, III, V, VII), and that scheduled between December and April, shall be called as 'Even semester' (II, IV, VI, VIII).
- 3.6. **'Course'** refers to a Theory / Theory Integrated Laboratory/ Laboratory Integrated Theory / Laboratory subject that is offered in a semester of the Programme.
- 3.7. **'Contact Hours'** means duration of Lecture, Tutorial, Practical or Project Work, as applicable.
- 3.8. **'Credit'** means the weightage assigned to a particular course based on the contact hours to teach the prescribed syllabus. One credit is allocated to 15 contact hours for theory course and 30 contact hours for practical course.
- 3.9. **Continuous Assessment** means evaluation of the students' progress and performance in a course during a semester through various activities as prescribed in the syllabus of the respective course to get the internal marks.
- 3.10. **End Semester Examination** means an examination conducted for a course at the end of the semester to evaluate the student's overall learning attainments.
- 3.11. **'Faculty'** means a group of allied Programmes.
- 3.12. **"Bona Fide Student"** means the student who is joined and on-roll in an Undergraduate Programme.
- 3.13. **'Head of the Department'** means Head of the Department concerned, offering the programme.
- 3.14. **'Head of the Institution'** means the Principal of the Institution.
- 3.15. **'Disciplinary Committee'** means the committee constituted by the Head of the Institution to look after students' discipline.
- 3.16. **'IQAC'** means Internal Quality Assurance Cell

3.17. 'Controller of Examinations' means the Officer of the institute responsible for all the activities related to examinations.

3.18. 'Academic Council' means the principal academic body of the institute.

4. Admissions

4.1. Admissions to B.E., / B. Tech. programmes offered in the institute, shall be as per the norms prescribed by Govt. of Tamil Nadu as given below.

- ❖ Required to have a pass in Higher Secondary Course Examination (Academic 10 + 2) Curriculum or its equivalent examinations with Mathematics, Physics and Chemistry. Other eligibility criteria such as minimum marks in each of the above courses for different categories of communities, number of attempts and physical fitness shall be as prescribed by the Govt. of Tamil Nadu from time to time.

4.2. Admission of students directly to second year (Lateral entry) of B.E., / B. Tech programme shall be as per the norms prescribed by the Govt. of Tamil Nadu as given below.

- ❖ Those who possess a Diploma in Engineering / Technology awarded by the Directorate 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. Programme. Other eligibility criteria such as discipline of Diploma, marks, number of attempts and physical fitness shall be as prescribed by the Govt. of Tamil Nadu from time to time.

(Or)

- ❖ Those who possess a Bachelor of 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. Programme. Other eligibility criteria such as marks, number of attempts and physical fitness shall be as prescribed by the Govt. of Tamil Nadu from time to time.

4.3. All students admitted provisionally or otherwise to any programme shall submit Photo ID proof issued by State / Central Govt., Original Transfer Certificate from the institution last studied, copies of grade / mark sheets of the qualifying examination and other relevant documents at the time of admission or by the last date prescribed by the competent authorities.

4.4. The admission of a student, who fails to submit the prescribed documents by the above-said date in Clause 4.3, or fails to meet other stipulated requirement(s), shall be cancelled by the University. The University shall also cancel the admission of a student at a later time, if the student is found ineligible / unfit at the time of admission or had furnished some false information / certificates or suppressed relevant information while seeking admission to the programme.

5. Programme Structure

5.1. Curriculum

Every programme has a specific structure, known as the 'Curriculum', which prescribes all the details of courses for undergoing the programme and sets out the sequence semester wise.

5.2. Programme Duration

- (i). Duration of the programme is FOUR years (Eight Semesters) for a student admitted to a programme with qualifications as prescribed in Clause 4.1 of the regulations. The student shall successfully complete all the requirements as per the curriculum and regulations of the programme within the above-said duration of 'FOUR' years.
- (ii). Duration of the programme is THREE years (Six Semesters) for a student admitted directly to second year (Lateral entry) with qualifications as prescribed in Clause 4.2 of the regulations. The student shall successfully complete all the requirements as per the curriculum and regulations of the programme within the above-said duration of 'THREE' years.

- (iii). Above mentioned period in Clause 5.2 (i) & Clause 5.2 (ii) shall be extended for 'ONE' more year to a student, who is permitted to avail the authorised break of study or opt for dropping of courses, as per the regulations.
- (iv). 'Programme Completion' means that a student shall undergo all the courses as prescribed in the respective curriculum and become eligible for appearing in the end semester examination of all the courses within the period as given in Clauses 5.2 [(i), (ii) & (iii)].
- (v). After programme completion if there are any arrear course(s), a student shall be permitted to successfully complete the same, within 'SEVEN' years (students admitted under Clause 4.1) and 'SIX' years (students admitted under Clause 4.2). This maximum duration for successful completion shall be reckoned from the commencement of first semester of the programme.
- (vi). In case of a student prevented from appearing in the end semester examination in all the courses of a semester due to shortage of attendance, the period of prevention shall be treated as a break in the programme. In such a case, total duration for completing the programme including all such prevention periods shall not exceed the above-said 'SEVEN' years (students admitted under Clause 4.1) and 'SIX' years (students admitted under Clause 4.2).

5.3. Course Categories

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

- I. **Humanities, Social Sciences and Management (HSMC)** courses include Employability Skills, Professional Ethics and Human Values, Communication skills, Heritage of Tamils, Tamils and Technology, etc.
- II. **Basic Science (BSC)** courses include Mathematics, Physics, Chemistry, Biology, etc.
- III. **Engineering Science (ESC)** courses include Engineering practices, Engineering Graphics, Basics of Electrical / Electronics / Civil / Mechanical / Computer Engineering, etc.

- IV. **Professional Core (PCC)** courses include the core courses relevant to the chosen specialization/branch of study.
- V. **Professional Elective (PEC)** courses include the core courses relevant to the chosen specialization/ branch.
- VI. **Open Elective (OEC)** courses include the courses offered by a branch to other branches, from the list specified in the respective curriculum of B.E. / B. Tech. programmes.
- VII. **Employability Enhancement Courses (EEC)** include Project Work and/or Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training etc.,
- VIII. **Mandatory Courses (MC)** include the courses such as Induction Training, Environmental Science and Engineering, Indian Constitution, Verbal Ability, Numerical Ability etc.
- IX. **One Credit Courses (OCC)** include the courses relevant to the chosen specialization /branch of study.
- X. **Self Learning Courses (SLC)** include the courses relevant to the chosen specialization /branch of study.
- XI. **Online Courses (OC)** include the courses relevant to the chosen specialization /branch of study.
- XII. **Additional Courses (AC)** include the courses relevant to the chosen specialization /branch of study.
- XIII. **Career Track Courses (CTC)** include the courses relevant to the chosen career.

5.4. Medium of Instruction

Medium of Instruction for all the B.E., / B. Tech., programmes is 'English'.

5.5. Assignment of Credits

- (i). Each course is assigned with credits with respect to contact hours as given below.

Credits for Contact Hour(s)

Contact Hour	Credits
15 Lecture Hours	1
15 Tutorial Hours	1
30 Laboratory Hours	1

6. Induction Programme

The students shall undergo induction programme comprising of lectures by eminent people, visits to various departments and ice-breaking events after getting admitted in the Institution.

Induction Programme shall be conducted by the Head of the Institution, aimed at offering the incoming students, an interface to understand and interact with the diverse student community. The objectives of this induction programme include:

- Welcoming and orienting the new students.
- Guiding the new students about life at the Institute and its activities, college fests, etc.
- Providing academic guidance to the students.
- Enforcing the anti-ragging rule.

On the whole, the Induction Programme aims to provide the incoming students with a cordial environment to make their transition to the Higher Education system as smooth as possible.

7. Academic Schedule

The dates of all academic activities including those of course registration, first and the last days of classes, examinations, and vacation are published in the Academic Schedule every semester. The Academic Schedule for each semester shall be available in the institute website.

8. Class Advisor

The following are some of the roles and responsibilities of a class advisor:

- Inform the students relevant information, especially in the beginning of the student's academic programme.
- Review courses already taken and those offered in the upcoming semester.
- Serve as a guide to the students in their course selection.
- Serve as a liaison between students and course instructors on many academic matters including learning disabilities, language barriers, etc.
- Review students' academic progress.
- Identify cases where the students' performance is deteriorating. Discuss with the student and suggest avenues for improvement / support.
- Provide the details about scholarship, placement, co-curricular and extra-curricular activities of the students.
- Coordinate with other academic bodies, if needed.

9. Course Committee for Common Courses

Each common theory course offered to more than one discipline or group, shall have a "Course Committee" comprising all the teachers teaching the common course with one of them nominated as the 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 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 is not teaching the class and senior faculty member of the department. 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 rules therein particularly.

- Informing the academic schedule including the dates of assessments and the syllabus coverage for each assessment.
- Informing 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.

10.2 The class committee shall be constituted within the first week of each semester.

10.3 The chairperson of the class committee may invite the class advisor and the Head of the Department to the class committee meeting.

10.4 The Head of the Institution may participate in any class committee meeting of the institution.

10.5 The chairperson is required to prepare the minutes of every meeting, submit the same to the IQAC and 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.

10.6 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. Registration of Courses

11.1. Each student admitted is required to register before the commencement of each semester to undergo the courses during that semester as per the academic schedule.

Registration is a very important procedural part of the academic system for ensuring that the student's name is on the roll list.

11.2. A student shall not re-register for the courses which are successfully completed by the student, for any reason(s) whatsoever.

11.3. Students shall register the regular courses in a semester, subject to the maximum credit limit of 36 per semester, that includes courses registered for Honours / Minor Degree programmes.

- 11.4. Students shall add or drop courses. Each add / drop request shall be processed by only the Head of the Institution concerned, considering necessary pre-requisites, and other conditions (if any) for the same. Any drop / add of courses shall be communicated to 'The Controller of Examinations', within 10 working days from the commencement of the academic session. Under any circumstance drop / add of course in registration process shall not be entertained after 10 working days from the commencement of the academic session.
- 11.5. If Professional Elective and Open Elective courses are not successfully completed by a student, in a particular semester, student shall be permitted to opt for alternate course(s) under these categories in the subsequent semester(s).
- 11.6. A student can choose all the Professional Elective Courses either from one of the verticals or a combination of courses from more than one verticals in a semester.
- 11.7. Students shall be permitted to register additional courses over and above the courses prescribed in the respective curriculum, under PCC / PEC / OEC category in any programme with the prior permission from the Board of Studies and Academic Council. The credits earned shall be printed in the grade sheet and shall not be considered for the computation of CGPA.

11.8. Self Learning Course(s)

- (i). Student shall have the option of registering courses in physical / online / hybrid mode with other institutes or online platforms in a semester (except VIII semester), with prior permission from the Board of Studies and Academic Council.
- (ii). Students shall opt the Self Study Course(s) offered
- a) By SWAYAM / NPTEL portal.
 - b) By State / Central funded Universities or Institutions, which are in the top 25 positions in the latest 'National Institutional Ranking Framework' (NIRF) ranking. NIRF ranking is based on respective stream for PE Course and based on any stream for OE Course.
 - c) Directly by foreign Universities within QS ranking 500 for the last three

years and not through Edutech platforms.

- d) By State / Central Research Laboratories or Institutions (other than Universities & Colleges) or Companies / Firms (manufacturing, software or service) related to the programme and involved in transfer of knowledge (provided the knowledge transferring company is a spinoff from an Engineering / Technology practicing Industry) and sharing the experience of the respective industry.
- (iii). Maximum number of courses that a student can undergo is '**THREE**' for the above clause 11.8 (ii) a) – d). Number of courses that can be registered shall not **exceed** '**TWO**' per semester, subject to the maximum credit limit of 36, in a semester.
- (iv). Advancement of courses, if any shall be permitted as per Clause 11.4.

12. Attendance Criterion

- 12.1. The students are expected to attend all the classes without fail. Attendance of the student in each course is calculated from

$$\% \text{ of attendance} = \frac{\text{Actual No. of Classes attended}}{\text{Total No. of Classes conducted}} \times 100$$

- 12.2. The institute mandates a minimum overall attendance of 80%. This overall attendance percentage is calculated by taking average of student's attendance in all the registered courses in a semester. For example, if a student has attendance of ATT1, ATT2, ATT3, ATT4, ATT5 and ATT6 in the registered Course 1, Course 2, Course 3, Course 4, Course 5 and Course 6, respectively in a semester, then overall attendance of such student's is calculated from

$$\% \text{ of Overall Attendance} = \frac{(\text{ATT1} + \text{ATT2} + \text{ATT3} + \text{ATT4} + \text{ATT5} + \text{ATT6})}{\text{Total No. of Classes conducted for 'SIX' courses}} \times 100$$

Overall percentage of attendance in a semester for a student is calculated from,

$$\% \text{ of Overall Attendance} = \frac{\text{Actual No. of periods attended in all registered courses (AP)}}{\text{Total No. of periods conducted in all registered courses (TP)}} \times 100$$

- 12.3. Marks will be awarded for student's attendance in 'EACH' course and the distribution of marks is given below;

Attendance (%)	80 – 83%	84 – 87%	88-91%	92-95%	96-100%
Marks	1	2	3	4	5

The marks earned by a student shall be included in the Continuous Assessment for each course, based on the percentage of attendance secured in a particular course as given above.

- 12.4. For medical reasons, if a student is not able to attend classes, 'Medical Certificate' shall be furnished to the Head of the Institute concerned, within 5 days from the date of reporting back for class work. In the event of student not able to secure 80% attendance, but has at least 70% attendance, such 'Medical Certificate' shall be considered, with the approval of the respective Head of the Institute.
- 12.5. Under any circumstances, medical certificate(s) submitted after the due date, as stipulated in Clause 12.4 shall not be accepted and in this case, % of attendance of the student is calculated as given in Clause 12.1.
- 12.6. The student shall be prevented from appearing in the end semester examination for all courses in a semester, if the overall attendance secured by a student is less than 80%. Such prevented student shall not be permitted to go to next semester. Importantly, such prevented student shall be permitted to rejoin the programme in the semester of prevention, during only in the next academic year and undergo all the courses. If the academic regulation is changed, addition / deletion of course(s) shall be prescribed by the Board of Studies and Academic Council, and such student shall undergo additional courses, if any for completion of the programme.
- 12.7. The students should get prior approval from the respective Head of the Institution to attend campus recruitments, seminars, project works, internships, co-curricular and extra-curricular activities. Only upon prior approval of Head of the Institution, attendance for the above said activities shall be considered as 'ON-DUTY'.

Students shall be permitted to avail only 10% of total working days in a semester.



However, student participating in sports activities, representing the institution in the University / State / National / International Level, shall be permitted to avail ON-DUTY without any restriction period of 10%, only with prior approval of the Head of the Institution. Additional classes shall be conducted by the department to the student(s) who are participating only in above said Sports activities so that such students shall attain the prescribed overall percentage attendance to appear in the End Semester Examinations.

- 12.8. A student, if eligible for appearing in the end semester examinations shall be allowed to withdraw the course(s) for bona fide reason(s), only with prior approval of the Head of the Institution and the same shall be intimated to the Controller of Examinations. In case of medical emergencies alone, post-facto approval may be accorded with prior intimation received from the student or parent or guardian by the Head of the Institution. Students shall appear for the 'End Semester Examination' in the subsequent semester. The course(s) withdrawn shall not be considered as an appearance for classification of degree. For any course that may be withdrawn by the student in the final semester of the programme, supplementary examination shall be conducted within a maximum period of 30 working days from the date of publication of the results.

13. Break of Study

- 13.1. Students shall be permitted to avail ONE 'Break of Study' for a period of ONE year (Two consecutive semesters) in the entire four years of the programme for bona fide reasons (such as hospitalization / accident / specific illness) only. However, Break of Study shall also be granted for above-said bona fide reasons, for a period of SIX months (One semester) to the students who have already completed up to the VII semester of the programme. The student shall apply for Break of Study to the respective Head of the Institution through email / letter, which in turn shall be forwarded to the Controller of Examinations for further process. Under any circumstances, student shall not be permitted to request for Break of Study retrospectively and also request for Break of Study will not be

accepted after the generation of 'Prevention list'. Duration of the Programme, is
'as given in Clause 5.2 includes the period of above approved Break of Study.

13.2. Students who are granted 'Break of Study', shall be allowed to appear for the
End Semester Arrear Examinations for backlog courses, if any, during the period
of Break of Study.

14. Unauthorized Absence

If a student has not reported officially to the Institution for the entire duration of the
semester, without any prior written request (hardcopy or email to official ID of
the respective Head of the Institution) for 'Break of Study', Head of the Institute shall
send the intimation on unauthorized absence to such Student / Parent / Guardian through
email/registered post. Considering students' welfare and the natural justice, Head of the
Institute shall inform such Student / Parent / Guardian a minimum of three times
periodically in a semester on the unauthorized absence.

15. Re-joining the Programme

After the end of approved 'Break of study' period, student shall be permitted to re-join the
programme in that particular semester, for which 'Break of Study' has been granted to
the student. Student(s) shall re-join the programme within TEN working days from the
date of commencement of semester. Under any circumstances, the period of rejoining
shall not be extended. Regulations & Curriculum in force for the specific semester, at the
time of re-joining shall be applicable to such student(s). Appearance of the student
(including absence) in the end semester examinations for these courses in that particular
semester shall be considered as 'First Appearance'. If there is any change of Academic
Regulations & Curriculum, the student shall undergo additional course(s) or get
exemption from undergoing the course(s), as recommended by the Board of Studies and
Academic Council. Addition/exemption of course(s) if any due to change of regulations
at the time of re-joining shall be prescribed to the student with in FIFTEEN working days
from the date of rejoining and the intimation shall be sent to the Controller of
Examinations for further process.

16. Disciplinary Proceedings

Students faced with disciplinary action for any serious offence (For example: ragging, misbehaviour, etc.), the disciplinary committee of the Institute shall conduct a detailed inquiry within SEVEN working days from the date of cognizance of such incident(s). Disciplinary committee of the institute shall be constituted by the Head of the Institution consisting of following members;

- | | |
|--|---------------|
| 1. Head of the Institute | - Chairperson |
| 2. Head of the Department of the student (s) concerned | - Member 1 |
| 3. Head of the Department from other department | - Member 2 |
| 4. Department Discipline Coordinator for the student concerned | - Member 3 |
| 5. Department Discipline Coordinator from other department | - Member 4 |
| 6. Faculty Advisor of the respective student | - Member 5 |

17. Vacation

There are two vacations (winter, summer) in an academic year. Period of both vacations shall be announced in the academic schedule.

18. Teaching & Evaluation

18.1. Each course is conducted by a 'Course Instructor', who has the overall responsibility for successful conduct of class work. Responsibilities of the Course Instructor include the maintenance of attendance and assessment records for the courses handled.

18.2. Semester-wise performance assessment of the student is evaluated through continuous assessments & end semester examinations, and in some courses through continuous assessments only.

18.3. *For 'Theory (T) Courses'*, evaluation shall be through continuous assessments and end semester examination. Continuous assessment shall have the weightage of 40% & End semester examination shall have the weightage of 60%. Assessment and evaluation processes happen in a continuous mode. However, for reporting purposes, a semester is divided into 2 discrete components identified as Continuous Assessment 1 (CA1) and Continuous Assessment 2 (CA2).

1. The apportioning of CA1 for 50 marks shall be as follows:

- a) 40 marks for Term Test
- b) 10 marks for activities

2. The apportioning of CA2 for 50 marks shall be as follows:

- a) 40 marks for Term Test
- b) 10 marks for activities

The total (CA1 + CA2) marks out of 100 shall be reduced for 35 marks. Marks for attendance earned by a student shall be included in Continuous Assessment as in clause 12.3

End semester examination shall be conducted for 100 marks for a duration of THREE hours.

18.4. For Laboratory (L) Courses

Every practical exercise / experiment shall be evaluated based on the performance of the student as follows:

- i. Pre – lab 10%
- ii. Implementation and output 70%
- iii. Post – lab 20%

The total marks for all the experiments are reduced for 55 marks. Marks for attendance earned by a student shall be included in Continuous Assessment as in clause 12.3.

60 % weightage is given for Continuous Assessments and 40% weightage for End Semester practical examination.

18.5. For Theory Courses Integrated with Laboratory (TIL)/

Laboratory Courses Integrated with Theory(LIT)

S.No.	Category of Courses	Continuous Assessment		End Semester
		Assessment for Theory (T)	Assessment for Laboratory (L)	
1	Theory Integrated with Practical	30 (T)	20 (L)	50 (T)
2	Practical Integrated with Theory	20 (T)	30 (L)	50 L)

Theory Integrated with Practical:

Continuous Assessment 1:

- CA1 shall be for 50 marks (Term Test 1: 40 marks & Activity: 10 marks), which shall be converted to 15 marks.

Continuous Assessment 2:

- CA2 shall be for 50 marks (Term Test 2: 40 marks & Activity: 10 marks), which shall be converted to 15 marks.
- In addition, the Practical Examination shall be conducted for 50 marks, which shall be converted to 20 marks.

The Total (CA1+CA2) marks shall be reduced for 45 marks and marks for attendance earned by a student shall be included as in clause 12.3.

50 % weightage is given for Continuous Assessments and 50% weightage for End Semester theory examination.

Practical Integrated with Theory:

Continuous Assessment 1:

- Practical 1 shall be conducted for 40 marks.
- Activity shall be conducted for 10 marks.
- CA1 shall be for 50 marks (Practical 1: 40 marks & Activity: 10 marks), which shall be converted to 15 marks.

Continuous Assessment 2:

- Practical 2 shall be conducted for 40 marks.
- Activity shall be conducted for 10 marks.
- CA2 shall be for 50 marks (Practical 2: 40 marks & Activity: 10 marks), which shall be converted to 15 marks.
- In addition, the Theory Examination shall be conducted for 50 marks, which shall be converted to 20 marks.

The Total (CA1+CA2) marks shall be reduced for 45 marks and marks for attendance earned by a student shall be included as in clause 12.3.

50 % weightage is given for Continuous Assessments and 50% weightage for End Semester Practical examination.

18.6. For 'Mini-Project', an academic activity as part of the curriculum, a student or a group of students shall undergo the practice of doing theoretical or experimental works for understanding the concepts elaborately. A review committee shall be constituted by the respective Head of the Department, consisting of three faculty members viz. an internal expert, coordinator and respective supervisor for periodical reviews. Performance of the students is assessed by this committee only through continuous assessments, which include three reviews. Weightage is 25% each for the first two reviews and 50% for the third review as given in the table below.

Weightage for Assessment of Mini Project

Review I	Review II	Review III	
		Report	Viva-Voce Examination
25%	25%	30%	20%

Student(s) shall submit a report in the prescribed format within the deadline as specified by the Head of the Department. This committee evaluates the project report submitted by the student(s) with a weightage of 30% out of 50% and conduct viva-voce examination with a weightage of 20% out of 50%, in the third review.

18.7. Project Phase - I / Project Phase – II

- For Project Phase - I/ Project Phase - II out of 100 marks, the maximum marks for Continuous Assessment is fixed as 60 marks and the End Semester Examination (project report evaluation and viva-voce examination) carries 40 marks. Project may be assigned to a single student or to a group of students not exceeding 4 per group.
- There shall be three reviews during the semester by a review committee. The student shall make presentation on the progress made before the committee. The Head of the Department shall constitute a three member review committee for each programme. The project Guide will be one of the members of the Review Committee. The total marks obtained in the three Reviews shall be for 60 marks.

- iii. The student(s) is/are expected to submit the project report on or before the last working day of the semester. The End semester examination for Project Phase - I/ Project Phase - II shall consist of evaluation of the final project report submitted by the student or students of the project group by an external examiner followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the guide of the project group and an internal examiner. The Internal and External Examiners shall be appointed by the Controller of Examinations from the Panel of Examiners submitted by the Head of the Department. The continuous assessment and End Semester Examinations marks for Project Phase - I/Project Phase - II and the Viva -Voce Examination will be distributed as indicated below:

Continuous Assessment (60 Marks)			End Semester Examinations (40 Marks)			
Review I	Review II	Review III	Report Evaluation		Viva - Voce (30 Marks)	
			Guide	External Examiner	Internal Examiner	External Examiner
10	20	30	10	10	10	10

- iv. If a student fails to appear for the Viva-Voce Examination after submitting the report on Project on the date, she will be marked as absent for the Project Phase - I/ Project Phase - II. Such student has to register again and clear in a subsequent semester. Failure / absence in the final Viva-Voce examination results in re-registration of the Project Phase - I/ Project Phase - II.

18.8. *Internship and Seminar*

- i. Internship Training duration should be 4 to 6 weeks. It should be organized by the Head of the Department for every student. At the end of Internship Training, the student shall submit a certificate from the organization where she has undergone the training.

ii. The Internship & Seminar shall carry 100 marks and the evaluation scheme is as follows:

- The internship should be evaluated as 50 marks for internship training and certification.
- Another 50 marks for report, seminar presentation and viva voce.

iii. The evaluation will be conducted internally by a three member committee constituted by the Head of the Department. Copy of the Internship Training Certificate (issued by the Organization) submitted by the student shall be attached to the mark list.

18.9. One of the three activities, '*National Service Scheme (NSS) / Youth Red Cross (YRC)/ Unnat Bharat Abhiyan(UBA)*', is a mandatory requirement during the first year of the programme. The choice shall be solely based on the decision of the student at the time of admission and no change shall be permitted at a later stage. Training period and camp duration shall be decided by the respective unit, from time to time. These activities shall not carry any credits.

18.10. Industry Oriented Course (IOC)

- (i). Proposal for conduct of IOC shall be submitted by the respective department to the Head of the Institution during the commencement of each semester for conducting IOC(s), as per the curriculum.
- (ii). Course content of IOC shall be framed by the identified industrial expert in consultation with the department concerned. A faculty member shall be nominated as coordinator by the respective Department.
- (iii). The proposal shall contain a brief introduction about the expert, title of the course, lesson plan, tentative schedule of the classes and pre-requisite(s), if any, for the students to undergo the IOC.
- (iv). The received proposals shall be placed before the Board of Studies of the department for recommendations and Academic Council for Approval. Approved IOC shall be forwarded within 15 days before the last working day of the ongoing semester to the CoE for further process. List of approved IOCs



shall be widely published among the students before the last examination date of the ongoing semester. Approved IOCs shall be offered in the subsequent semester.

- (v). Classes shall be conducted by the industry expert through physical / hybrid mode. Time slots on Saturdays may also be decided by the respective Head of the Department, depending on the convenience of the students and expert. For all sessions, the coordinator shall attend the classes along with the students. Attendance register for IOC shall be maintained by the Coordinator.
- (vi). Classes for IOC shall be held in the Institute premises and the practical classes or case studies / project, if any shall be conducted at the Institute / Industry, which shall be decided by the Industry Expert in consultation with the Coordinator.
- (vii). Performance of the students shall be evaluated only through continuous assessments.
- (viii). At the end of each IOC, students' feedback shall be obtained and reviewed by the respective Head of the Department, for further refinement of the course.

18.11. Self-Learning Course (SLC)

- (i). This course shall not be a part of any other course prescribed in the respective UG curriculum, but should be relevant to engineering and technology.
- (ii). Students shall opt for the courses offered by SWAYAM / NPTEL as well as State / Central funded Institutions **OR** Research Laboratories, which are in the top 25 positions in the latest NIRF ranking **OR** Foreign Universities within QS 500 rankings. The learning platform should have a clear process of awarding grades / marks to the students.
- (iii). Students shall submit a request with a maximum of three interested SLCs to the Head of the Department concerned along with the details of course contents, Name & Affiliation of the instructor, Mode of evaluation, etc., at least 'ONE MONTH' before the end of the ongoing semester, for undergoing

SLC in the subsequent semester. List of proposed SLC shall be placed in the Board of Studies and Academic Council for consideration. The recommended proposals shall be forwarded to the CoE for further process.

18.12. Passing Criteria in a Course

A Student is declared 'PASS' in a course upon satisfying the following conditions.

- (i). *For Theory, Theory Integrated Laboratory, Laboratory Integrated Theory & Laboratory course*, student shall secure a minimum 45% of marks in the end semester examination and also obtain a minimum 50% marks in total, combining both Continuous Assessments and End Semester Examination.
- (ii). *For Project Phase I / Project Phase II*, student shall secure a minimum 45% of marks in the end semester examination (Project report evaluation & Viva-Voce examination) and also obtain a minimum 50% marks in total combining both 'Continuous Assessments and End Semester Examination (Project report evaluation & Viva-Voce examination)'.
- (iii). *For Mini Project*, student shall secure a minimum 50% of marks in the continuous assessments through three reviews, as given in Clause 18.6.
- (iv). *For 'Industry Oriented Courses(IOC)'*, student shall secure a minimum 50% of marks in continuous assessments.
- (v). *For 'Self-Learning Courses'*, student shall secure a minimum 50% of marks as per the evaluation processes, prescribed by Institute / Firm / Company offering the SLC. However, in the case of courses offered by NPTEL / SWAYAM, the student shall secure a minimum 40% of marks. Published result of the SLC obtained from the source of learning shall be submitted by student concerned to the respective Head of Department, after completion of the course. Marks obtained by a student in the SLC shall be converted to an equivalent grade.



18.13. Publication of Results and Revaluation

18.13.1. Valued Answer Scripts review by the students

All the students are allowed to review their valued answer scripts with the faculty in-charge of the course on the specified date. Any discrepancies in the valuation can immediately be brought to the notice of the Controller of Examinations.

18.13.2. Revaluation

A student can apply for revaluation of the student's semester examination answer script in a theory course after review of valued answer scripts by the students on payment of a prescribed fee along with prescribed application to the CoE through the Head of the Department. Revaluation is not permitted for laboratory course and project work.

18.13.3. Review

If the student is not satisfied with the revaluation results, the following procedure will be followed for review:

- i. Only candidates who have applied for the Revaluation of the answer script are eligible for applying review.
- ii. The application for review should be forwarded by the Principal along with the requisition of the student with proper justification of the respective faculty member and head of the department.
- iii. If a candidate gets higher grade in review, the higher grade will be declared as the final grade. Only such candidates are eligible for refund of review fee.

18.14. NOT SATISFYING 'PASSING' CRITERIA

A student who has not satisfied the passing conditions in,

- (i). *Theory, Theory integrated Laboratory, Laboratory Integrated Theory & Laboratory courses*, student has to reappear in the 'End Semester Examination' in the subsequent semester(s). In such case, the continuous assessment marks obtained in the first appearance shall be retained and considered valid for all subsequent attempts till the student secures a pass. However, from the ~~third attempt~~

onwards if a student fails to obtain pass marks (Continuous Assessments + End Semester Examination) as per clause 18.12, then the student shall be declared to have passed the examination if the student secures a minimum 50% of total marks in the end semester examinations alone.

- (ii). **Project Phase - II**, a supplementary viva-voce examination shall be conducted within a minimum period of 30 days from the date of publication of results. If the student is not able to successfully complete the course in the supplementary examination, then the student has to repeat the course in the ensuing semester.
- (iii). **Industry Oriented Courses**, re-examination shall be conducted within a minimum period of 10 days from the date of publication of results. If a student does not successfully complete the IOC in the re-examination, registration of the particular IOC shall stand cancelled. Student shall register for the same IOC / any other IOC, in the ensuing semester.
- (iv). **Self-Learning Courses**, student shall register for the same course or one from other two courses opted by the student in the same semester itself within one week from the date of declaration of result, with prior intimation to the respective Head of the Institution. If the student is still unable to successfully complete any one of the SLCs within the semester, the student shall opt for the same courses in the subsequent semester.

19. Honours Degree

19.1. Students always have a passion or fascination for a particular field or a line of thinking or study and Honours Degree option enables the student to nurture this interest. Students shall obtain Honours degree by successful completion of additional courses in the 'FIRST APPEARANCE' itself. These additional courses are over and above the courses prescribed in the respective curriculum from 'FIFTH' semester onwards. Additional courses shall be either a '**CAPSTONE DESIGN PROJECT**' or '**SIX ELECTIVE COURSES**'.

- a) Students shall earn 'EIGHTEEN' credits and split up of credits shall be given in the respective curriculum.
- b) Eligibility for any student admitted under Clause 4.1 of this regulation to opt for the Honours degree is that, the student should earn a minimum CGPA of 7.0 in '**THIRD**' and '**FOURTH**' semesters and also students should not have any history of arrears from first semester.
- c) Eligibility for any student admitted under Clause 4.2 & Clause 4.3 of this regulation to opt for the Honours degree is that, the student should earn a minimum CGPA of 7.0 in '**THIRD**' and '**FOURTH**' semesters together without any arrears in Third and Fourth semesters.

19.2. Capstone Design Project for 'HONOURS' Degree

- a) Capstone Design project provides an opportunity to work in a team to design and develop a product, focusing to evolve solutions for real-time problems, starting from Problem definition, Specification formulation within given constraints, Review of design process and design ideation, Human factors, Market research, Product and patent research, fabrication considerations, Safety and risk assessment, Liability and ethics, Environmental and sustainability considerations, Proof-of-concept methods, Codes and Standards, etc. and finally to test prototype(s).

- b) A group comprising of 4 to 6 students, spread over minimum of two departments and maximum of three departments, shall opt for Capstone Design Project in 'THREE PHASES' from V to VII semester, in addition to the courses as prescribed in the curriculum. It is mandatory that students from at least TWO departments shall be a part of the project group and the number of students from each department shall be at least TWO.
- c) A Mentor shall be identified by the students from any one of the participating Department. Head of the Department of the Mentor's Department with approval of the Head of the Institution, shall constitute a Project Review Committee (PRC) consisting of Mentor, one faculty – from the department of the students (other than the Mentor's Department) in the group and one expert from industry in the relevant field. Student shall also identify Co-Mentor(s) from the participating department(s).
- d) During the Capstone Design Project, the student groups are encouraged to participate in events such as Hackathon, Industrial Expo to showcase and pitch their inventions.
- e) Evaluation of Capstone Design Project is by continuous assessment (Three periodical reviews) in each semester by the PRC and Viva-voce examination at the end of each semester. Viva-Voce examination shall be conducted with panel of Internal examiners (PRC) and ONE external examiner. Weightage for Continuous assessment is 60% and for project report evaluation along with Viva-voce examination is 40%.
- f) Every student in the group shall secure a minimum 45% of marks in Project report evaluation & viva-voce examination and also obtain a 50% of total marks in the Continuous assessments + Project report evaluation & viva-voce examination for getting 'PASS' in the particular phase of Capstone Design Project. Upon successful completion of the particular phase, the students shall be allowed to proceed to the next phase. In case, if any student in the group is not able to secure 'PASS' as prescribed above, the

student shall discontinue from the Capstone Design Project and shall not associate with the Capstone Design Project furthermore.

- g) After earning '**EIGHTEEN**' credits through the successful completion of the Capstone Design Project (CDP), '**HONOURS**' shall be conferred along with 'Certificate of Appreciation' to the students, who secure 8.50 or higher CGPA, without any history of arrears. If the student in the group, after successful completion of Capstone Design Project secures **less than 8.50 CGPA, 'HONOURS' degree shall not be conferred.** However, the result of Capstone Design Project shall feature in the Grade sheet and a 'Certificate of Appreciation' shall be issued to those students.

19.3. Six Elective Courses for '**HONOURS**' Degree

- a) Students shall opt for 'Honours' Degree by undergoing '**SIX**' additional elective courses from the vertical as listed in the respective curriculum. The student shall earn '**EIGHTEEN**' additional credits through the course works, which are related to the major discipline of study. Evaluation and '**PASS**' requirement of these courses is as per Clauses 18.3, 18.4 and 18.5 for Theory, Theory integrated Laboratory & Laboratory Integrated Theory courses respectively.
- b) On successful completion of six elective courses, '**HONOURS**' shall be conferred to the students, who secure a CGPA of 8.50 or higher, without any history of arrears. If the student after successful completion of '**SIX**' courses secures **less than 8.50 CGPA, 'HONOURS' degree shall not be conferred.**
- c) If the student decides to opt out of Honours Degree, after successful completion of certain number of course work(s), these course(s) shall be treated as equivalent to Professional Elective Course(s). In such case, the student shall be permitted to drop the equal number of Professional Elective Course(s).

- d) If the student successfully completes more number of Professional Elective Course(s), over and above the mandatory Professional Elective course(s) as prescribed in the curriculum, the courses with higher grades shall be considered for the calculation of CGPA. Remaining courses shall be only printed on the grade sheet and grade obtained in these courses shall not be considered for computation of CGPA.

20. Minor Degree

- 20.1. Students always have a passion to acquire knowledge apart from the discipline of the programme, making students more versatile. Students shall be awarded with minor degree upon successful completion of additional courses over and above the courses as prescribed in the respective curriculum from 'FIFTH' semester onwards.
- 20.2. Students shall earn 'EIGHTEEN' credits and split up of credits shall be prescribed in the respective curriculum.
- 20.3. Eligibility for any student admitted under Clause 4.1 of this regulation to opt for the Minor degree is that, the student should earn a minimum CGPA of 7.0 in 'THIRD' and 'FOURTH' semesters together and also students should not have any history of arrears from first semester.
- 20.4. Eligibility for any student admitted under Clause 4.2 & Clause 4.3 of this regulation to opt for the Minor degree is that, the student should earn a minimum CGPA of 7.0 in 'THIRD' and 'FOURTH' semesters without any arrears in Third and Fourth semesters.
- 20.5. A student shall register for a 'Minor' degree, from the V semester by registering basket of courses as prescribed in the curriculum of the UG Programme offered by the department other than the parent department of the student. Evaluation and 'PASS' requirement of these courses is as per Clauses 18.3, 18.4 and 18.5 for Theory, Theory integrated Laboratory & Laboratory Integrated Theory courses respectively.



- 20.6. In order to get a Minor Degree, a student shall successfully complete the basket of courses as prescribed in the curriculum of the Department offering the Minor Degree and earn 'EIGHTEEN' additional credits. Grades obtained in the basket of courses shall also be considered for computation of CGPA, along with the courses in the curriculum for the programme (mainstream).
- 20.7. If the student decides to opt out of Minor Degree, after successful completion of certain number of course(s), these course(s) can be treated as equivalent to OE Course. In such case, the student shall be permitted to drop the equal number of OE course.
- 20.8. If the student successfully completes more number of OE Course over and above the courses prescribed in the curriculum, the courses with higher grades shall be considered for the computation of CGPA. Remaining courses shall be only printed on the grade sheet and grade obtained in these courses shall not be considered for computation of CGPA.
- 20.9. Minor Degree shall be reflected in the degree certificate as "B. E., / B. Tech., in XYZ Engineering with Minor in ABC", where 'XYZ' is the Major Discipline of study and 'ABC' is the Discipline in which Minor Degree is offered.

Note: The students shall be permitted to opt for only either 'Honours' or 'Minor' Degree, during the programme.

21. Grading of Courses

21.1. The grades and corresponding grade points are given below:

Grade	Description	Grade Points
S	Outstanding performance with respect to course learning objectives; exhibits original and creative thinking, and demonstrates the ability to analyze critically and synthesize information	10
A+	Excellent performance with respect to course learning objectives and creative thinking	9
A	Very Good achievement with respect to course learning objectives	8
B+	Good achievement with respect to course learning objectives	7
B	Above Average achievement with respect to course learning objectives	6.5
C+	Average achievement with respect to course learning objectives	6
C	Satisfactory achievement	5
U	Re-appearance	0
SA	Shortage of Attendance	0
WC	Withdrawal of Course	0

21.2. Absolute grading system shall be followed for all category of courses. Range of marks for corresponding grades is presented below:

Range of Marks for Grades

S	A+	A	B+	B	C+	C	U
91 – 100	81 – 90	71 – 80	66 – 70	61 – 65	56 – 60	50 – 55	< 50

For courses categorized under Self Learning, the corresponding range of marks for each grade is presented below:

Range of Marks for grading of NPTEL/SWAYAM etc., courses

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

22. Calculation of Grade Point Average (GPA) / Cumulative Grade Point Average (CGPA)

- 22.1. GPA for a semester is the ratio of the sum of products of the number of credits acquired for courses and their corresponding grade points to the sum of the number of credits acquired for all the courses in the semester.
- 22.2. CGPA will be calculated in a similar manner by considering all the courses registered from the first Semester “U” and “SA” grades will be excluded for calculating GPA and CGPA.

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

Where

C_i – the credits assigned to the course

GP_i – the point corresponding to the grade obtained for the given course

n – 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

- 22.3. At the end of each semester, the student is given with a semester wise grade sheet. This is a consolidated list of courses registered and grades obtained in that particular semester along with the appropriate GPA calculation.
- 22.4. The CGPA indicates the overall academic performance of a student and is computed to two decimal places in the same manner as the GPA, except that all the courses registered up to and including the latest completed semester. Grades obtained after successful completion of additional courses, that are not mandatory for minimum requirement for award of degree, shall not be considered for computation of CGPA. However, results of these courses will be printed only in the grade sheet.
- 22.5. For the students who have successfully completed the requirements of Honours Degree, grades obtained in the additional courses / Capstone Design Project shall be taken into account for the computation of CGPA.

- 22.6. For the students who have successfully completed the requirements of Minor Degree, grades obtained in these additional courses shall be taken into account for the computation of CGPA.
- 22.7. If the student is absent for the registered course in the End Semester Examination(s) or Viva-Voce Examinations or absent for the assessments in case of courses evaluated only through continuous assessments, this absence shall be considered as an appearance for the purpose of classification of degree.
- 22.8. If a student opts to drop PE Courses(s) as per the Clause 11.5, this appearance in the particular PE Course shall be considered as an appearance for the purpose of classification of degree.
- 22.9. After successful completion of the courses as required for the award of degree, as per the curriculum, a consolidated grade sheet shall be printed and issued to all the students.
- 22.10. The percentage of marks shall be printed in the consolidated grade sheet from the CGPA earned using,

$$\% \text{ of Marks} = \text{CGPA} \times 10$$

23. Award of Degree

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

- 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 End-Semester examinations and passed all the courses prescribed in all the 8 semesters within a maximum period of 7 years reckoned from the commencement of the first semester to which the student was admitted.
- iii. Successfully passed any additional courses prescribed by the Academic Council for readmission.
- iv. No disciplinary action pending against the student.

23.1. A student, who fulfils the following criteria shall be declared to have successfully completed the degree programme with '**Honours**' and classified under '**First Class with Distinction**'.

- (i) Should have passed the examination of all the courses prescribed in curriculum of the respective programme in the 'FIRST APPEARANCE' itself, within the prescribed duration as per Clauses 5.2 (i), 5.2 (ii), and 5.2 (iii) of this regulations.
- (ii) Should have passed all additional courses prescribed in curriculum of the respective programme in the 'FIRST APPEARANCE' itself, within the prescribed duration as per Clauses 5.2 (i), 5.2 (ii), and 5.2 (iii) of this regulations.
- (iii) Should have secured a CGPA of at least 8.50.
- (iv) Should not have been prevented from appearing for any end semester examination(s), for the courses prescribed in the curriculum.

23.2. A student who fulfils the following criteria shall be declared to have successfully completed the degree programme as '**First class with Distinction**'

- (i). Should have passed the examination of all the courses prescribed in curriculum of the respective programme in the 'FIRST APPEARANCE' itself, within the prescribed duration as per Clauses 5.2 (i), 5.2 (ii), and 5.2 (iii) of this regulations.
- (ii). Should have secured a CGPA of at least 8.50.
- (iii). Should not have been prevented from appearing for any end semester examination.

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

- (i). Should have passed the examination of all the courses within the prescribed duration as per Clauses 5.2 (i), 5.2 (ii), and 5.2 (iii) of the regulations.
- (ii). Should have secured a CGPA of at least 6.50.

(iii). Should not have been prevented from appearing for end semester examination.

23.4. A student who fulfils the following criteria shall be declared to have successfully completed the degree programme as 'Second Class'

(A) (i) Should have passed the examination of all the courses within the prescribed duration as per Clauses 5.2 (i), 5.2 (ii), and 5.2 (iii) of the regulations.

(ii) Has secured a CGPA below 6.50.

(OR)

(B) Should have passed the examination of all the courses within the prescribed duration as per Clauses 5.2 (iv), (v) and (vi) of the regulations.

23.5. A student who fulfils the criteria as prescribed in 'Minor Degree' as per Clause 20, shall be declared to have successfully completed the degree programme with 'Minor' and shall be classified appropriately as per Clause 23.2 or Clause 23.3 or Clause 23.4.

24. Academic Audit

The Director – IQAC shall initiate the academic audit process once in every semester, by inviting external expert(s) approved by the competent authority. The Director - IQAC shall make the arrangements for the conduct of Academic Audit.

Academic audit shall cover,

- Course delivery and adherence to the course plan, syllabus coverage, quality of question papers used for continuous assessments, end semester examinations, practical assignments, mini projects and conduct of practical classes and the evaluation.
- Co-curricular and extra-curricular activities available for students, the monitoring mechanism of activity points to be earned by the students.

- Academic functioning of the Institute encompassing students, faculty and administration covering punctuality, attendance, discipline, academic environment, learning ecosystem, academic achievements and benchmarking.
- The quality criteria prescribed by statutory bodies.
- Academic documents of UG programmes for a particular batch of students shall be kept for a period of 'THREE' years after the end of programme duration.
- Academic audit report and subsequent action taken in every academic year shall be placed in Academic Council meeting for continuous improvement towards the academic excellence.

25. Revision of Regulation and Curriculum

The Academic Council of the Institution may from time to time revise, amend or change the regulations, curriculum, syllabi and scheme of examinations, if found necessary.

26. Statutory and Non-Statutory Bodies

- The Institute has the following Statutory Bodies for the governance of academic and administrative functions: Governing Body, Academic Council, Board of Studies, and Finance Committee.
- The Institute also has Non-Statutory Bodies such as Anti-Ragging Committee, Anti-Drug Committee, Academic Audit Committee, Admission Committee, Examination Committee, Library Advisory Committee, Planning and Evaluation Committee, Student Welfare and Extra-Curricular Committee, Student Grievance Redressal Cell, Internal Complaints Committee, SC/ST Welfare Committee, Institution-Industry Cell, Discipline Committee, etc.
- The constitution and functions of the above-mentioned Statutory and Non - Statutory Bodies are available on the Institute website: www.vcengg.ac.in.

ANNEXURE – I

Question Paper Pattern for the Physics, Chemistry, English, Maths (offered in various semesters), and Environmental Science and Engineering

Total Marks: 100

Duration: 3 hrs

Part – A (10 Questions)

Answer ALL
Questions

10x2=20

Part – B (5 Questions)

Answer ALL Questions

5x16=80

Answer either “a” or “b” from each question, but not both

Note:

*In Part-B, Question No.11th is compulsory question for the course “English Language Proficiency & Professional Communication” only.

ANNEXURE – II

Question Paper Pattern for Engineering Science Courses which are offered in I& II Semesters

Total Marks: 100

Duration: 3 hrs

Part – A (10 Questions)

Answer ALL
Questions

10x2=20

Part – B (5 Questions)

Answer ALL Questions

5x13=65

Answer either “a” or “b” from each question, but not both

Part – C (1 Question)

Answer either “a” or “b”, but not both

1x15=15

(Problems / questions testing the ability for higher order analysis / synthesis / concepts / case study.)

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ANNEXURE – III

Question Paper Pattern for Engineering Graphics

- Five questions will be asked in the **EITHER OR** Pattern
- All questions will carry equal marks of 20 each making a total of 100.

Note:

- Students shall answer the questions by using only standard drafting instruments.



ANNEXURE – IV

Question Paper Pattern for End Semester Examinations of B.E. / B.Tech. (3rd Semester to 8th Semester)

Total Marks: 100

Duration: 3 hrs

Part – A (10 Questions)

Answer ALL
Questions

10x2=20

Part – B (5 Questions)

Answer ALL Questions

5x13=65

Answer either “a” or “b” from each question, but not both

Part – C (1 Question)

Answer either “a” or “b”, but not both

1x15=15

(Problems / questions testing the ability for higher order analysis / synthesis / concepts / case study.)

ANNEXURE – V

Question Paper Pattern for VQAR – I, VQAR – II, Leveraging Arithmetic and Codes

Snippet & Integrated Reasoning and Pseudo Code

(3rd Semester to 6th Semester)

Total Marks: 100

Duration: 3 hrs

Part – A (50 Questions)

Answer ALL Questions (MCQ type)

50x1=50

Part – B (5 Questions)

Answer ALL Questions

5x4=20

Answer either “a” or “b” from each question, but not both

Part – C (2 Questions)

Answer either “a” or “b” from each question, but not both

2x15=30