

**VELAGAPUDI RAMAKRISHNA
SIDDHARTHA ENGINEERING COLLEGE**
(Autonomous)



VR17

**Academic Regulations
B.Tech. Degree Programs**

Applicable for the batch of students admitted from the Academic Year 2017-18

**VELAGAPUDI RAMAKRISHNA
SIDDHARTHA ENGINEERING COLLEGE**

(Autonomous, Accredited with 'A' grade by NAAC)

Affiliated to Jawaharlal Nehru Technological University Kakinada

Approved by AICTE & ISO 9001: 2015 Certified

Kanuru, Vijayawada -520 007, Andhra Pradesh

☎: 0866 2582333

www.vrsiddhartha.ac.in

Effective from 2017-18

CONTENTS

1. SHORT TITLE AND COMMENCEMENT
2. DEFINITIONS
3. ACADEMIC PROGRAMS
 - 3.1 Nomenclature of Programs
4. DURATION OF THE PROGRAMS
 - 4.1 Normal Duration
 - 4.2 Maximum Duration
 - 4.3 Minimum Duration of Semester
5. ADMISSION CRITERIA
 - 5.1 CATEGORY – A Seats
 - 5.2 CATEGORY – B Seats
 - 5.3 CATEGORY - Lateral Entry Seats
6. CREDIT SYSTEM AND GRADE POINTS
 - 6.1 Credit Definition
 - 6.2 Credit Structure
 - 6.3 Semester Course Load
 - 6.4 Grade Points and Letter Grade for a Course
 - 6.5 Semester Grade Point Average (SGPA)
 - 6.6 Cumulative Grade Point Average (CGPA)
7. CURRICULUM FRAMEWORK
 - 7.1 General Issues
 - 7.2 Curriculum Structure
 - 7.3 Course Numbering Scheme
 - 7.4 Scheme of Instruction and Examination
 - 7.5 Medium of Instruction and Examination
8. CHOICE BASED CREDIT SYSTEM (CBCS)
 - 8.1 CBCS Course Registration Policy
 - 8.2 Continuous Evaluation for CBCS Opted Courses
 - 8.3 Eligibility to Appear CBCS Registered Courses For Semester End Examinations
 - 8.4 CBCS Course Detention
9. EXAMINATIONS AND SCHEME OF EVALUATION
 - 9.1 Description
 - 9.2 Continuous Evaluation(CE)
 - 9.2.1 Theory Courses
 - 9.2.2 Laboratory Courses
 - 9.2.3 Engineering Project for Community services /Mini Project
 - 9.2.4 Major Project
 - 9.2.5 Self-Learning Courses

- 9.3 Semester End Examinations
 - 9.3.1 Theory Courses
 - 9.3.2 Laboratory Courses
 - 9.3.3 Engineering Project for Community services / Mini Project
 - 9.3.4 Major Project
 - 9.3.5 Self-Learning Courses
 - 9.3.6 Industry Interaction/Internships
 - 9.3.7 Student Practice Courses
- 9.4 Conditions for Pass
- 9.5 Revaluation
 - 9.5.1 Continuous Evaluation
 - 9.5.2 Semester End Examinations
- 9.6 With Holding Results
- 10. CRITERIA TO ATTEND SEMESTER END EXAMINATION AND PROMOTION TO HIGHER SEMESTER
 - 10.1 Eligibility for Semester End Examinations
 - 10.1.1 Attendance
 - 10.1.2 Marks
 - 10.2 Conditions for Promotion
- 11. SUPPLEMENTARY EXAMINATIONS
 - 11.1 General
 - 11.2 Advanced Supplementary
- 12. READMISSION CRITERIA
- 13. BREAK IN STUDY
- 14. GAP YEAR CONCEPT OF STUDENT ENTREPRENEURSHIP IN RESIDENCE
- 15. IT & ENTREPRENEURSHIP AT COLLEGE LEVEL
- 16. TRANSITORY REGULATIONS
- 17. ELIGIBILITY FOR AWARD OF B.TECH. DEGREE
- 18. IMPROVEMENT OF CUMULATIVE GRADE POINT AVERAGE
- 19. CONDUCT AND DISCIPLINE
- 20. MALPRACTICES
- 21. OTHER MATTERS
- 22. AMENDMENTS TO REGULATIONS

1. SHORT TITLE AND COMMENCEMENT

- a. The regulations listed under this head are common for all degree level undergraduate programs (B. Tech.) offered by the college with effect from the academic year 2017-18 and they are called as “VR17” regulations.
- b. The regulations hereunder are subject to amendments as may be made by the Academic Council of the college from time to time, keeping the recommendations of the Board of Studies in view. Any or all such amendments will be effective from such date and to such batches of candidates including those already undergoing the program, as may be decided by the Academic Council.

2. DEFINITIONS

- a. “**Commission**” means University Grants Commission (UGC);
- b. “**Council**” means All India Council for Technical Education (AICTE);
- c. “**University**” means Jawaharlal Nehru Technological University Kakinada (JNTUK);
- d. “**College**” means Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada;
- e. An **Academic Program** means any combination of courses and/or requirements leading to award of a degree.
- f. “**Course**” means a subject either theory or practical identified by its course title and code number and which is normally studied in a semester.
- g. “**Degree**” means an academic *degree* conferred by the university upon those who complete the undergraduate curriculum.
- h. “**CBCS**” means Choice Based Credit System
- i. “**MOOC**” means Massive Open Online Course
- j. “**Regular Students**” means student enrolled into the four year programme in the first year.
- k. “**Lateral Entry Students**” means student enrolled into the four year programme in the second year.

3. ACADEMIC PROGRAMS

3.1 Nomenclature of Programs

3.1.1 The nomenclature and its abbreviation given below, shall continue to be used for the Degree programs under the University, as required by the Council and the Commission:

Bachelor of Technology (B. Tech)

Besides, the name of specialization shall be indicated in brackets after the abbreviation, for example, engineering degree in Mechanical Engineering program is abbreviated as *B.Tech (Mechanical Engineering)*.

3.1.2 *Bachelor of Technology (B. Tech.)* degree program offered in:

1. Civil Engineering(CE)
2. Computer Science and Engineering (CSE)
3. Electronics and Communication Engineering (ECE)
4. Electrical and Electronics Engineering (EEE)
5. Electronics and Instrumentation Engineering (EIE)
6. Information Technology (IT)
7. Mechanical Engineering (ME)

4. DURATION OF THE PROGRAMS

4.1 Normal Duration

4.1.1. The duration of an academic program shall be four years consisting of eight semesters.

4.1.2. The duration of the program for lateral entry students who are admitted in 2nd year shall be three years consisting of six semesters.

4.2 Maximum Duration

4.2.1 The maximum period which a student can take to complete a full time academic program shall be double the normal duration of the program, i.e., for regular students eight years, for lateral entry students six years.

4.3 Minimum Duration of a Semester

Each semester consists of a minimum of 90 instruction days excluding examination days with about minimum 19 and maximum 27 contact hours per week.

5. ADMISSION CRITERIA

The eligibility criteria for admission into UG Engineering programmes are as per the norms approved by Government of Andhra Pradesh from time to time.

The sanctioned seats in each program in the college are classified into CATEGORY-A, and CATEGORY-B at 1st year level and only CATEGORY-A at Lateral Entry 2nd year level.

The percentages of Category–A, Category-B and Lateral Entry Seats are decided from time to time by the Government of Andhra Pradesh.

5.1 CATEGORY – A Seats

These seats are filled as per the norms approved by the Government of Andhra Pradesh.

5.2 CATEGORY – B Seats

These seats are filled by the College as per the norms approved by the Government of Andhra Pradesh.

5.3 CATEGORY - Lateral Entry Seats

Lateral entry candidates shall be admitted into the Third semester directly as per the norms approved by Government of Andhra Pradesh.

6. CREDIT SYSTEM AND GRADE POINTS

6.1 Credit Definition

Credit means quantified and recognized learning. Credit is measured in terms of contact hours per week in a semester. Typically one credit is given to:

- (a) Theory or tutorial conducted for one contact period.
- (b) Laboratory course conducted for two contact periods.

6.2 Credit Structure

6.2.1 A typical *Credit Structure* for course work (B.Tech. Program) based on the above definition is given in the Table 1.

Table 1: Typical Credit Allocation Scheme for Courses

Lectures (Hrs/wk.)	Tutorials (Hrs/wk.)	Practical Work* (Hrs/wk.)	Credits (L: T: P)	Total Credits
2	0	4	2:0:2	4
3	0	2	3:0:1	4
3	1	0	3:1:0	4
3	0	0	3:0:0	3
2	1	0	2:1:0	3
2	0	2	2:0:1	3
0	0	4	0:0:2	2
2	0	0	2:0:0	2
1	1	0	1:1:0	2
1	0	0	1:0:0	1
0	0	2	0:0:1	1
0	0	3	0:0:1.5	1.5

6.3 Semester Course Load

The average course load shall be 20 credits per semester with its minimum and maximum limits being 15 and 25 credits. However the total number of credits at the end of the 4th and 6th semesters shall be 82 and 128 respectively.

6.4 Grade Points and Letter Grade for a Course

The grade points and letter grade will be awarded to each course based on student's performance as per the grading system shown in the Table 2.

Table 2: Grading System for B. Tech Programme

Theory/Drawing % of Marks	Laboratory/Project % of Marks	Grade Points	Letter Grade
≥90%	≥90%	10	Ex
80 – 89%	80 – 89%	9	A+
70 - 79%	70 - 79%	8	A
60 - 69%	60 - 69%	7	B
50 - 59%	55 - 59%	6	C
45 - 49%	50 – 54%	5	D
40 - 44%	-	4	E
< 40%	< 50%	0	F
ABSENT	ABSENT	0	AB

6.5 Semester Grade Points Average (SGPA)

The performance of each student at the end of the each semester is indicated in terms of SGPA calculated as shown in equation (1).

$$SGPA = \frac{\sum(CR \times GP)}{\sum CR \text{ (for all courses offered in the semester)}} \quad (1)$$

Where CR= Credits of a course

GP = Grade points awarded for a course

6.6 Cumulative Grade Point Average (CGPA)

The Cumulative Performance of each student at the end of each semester is indicated in terms of CGPA is calculated as shown in equation (2).

$$CGPA = \frac{\sum(CR \times GP)}{\sum CR \text{ (for all the courses offered up to that semester in the program)}} \quad (2)$$

Where CR = Credits of a course

GP = Grade points awarded for a course

6.7 Conversion Formula for CGPA to Marks in Percentage

The approximate equivalence of marks to a given CGPA is calculated by using the formula:

$$\text{Percentage Equivalence of CGPA} = [\text{CGPA} - 0.5] \times 10$$

7. CURRICULUM FRAMEWORK

7.1 General Issues

7.1.1 Curriculum framework is important in setting the right direction for a degree program as it takes into account the type and quantum of knowledge necessary to be acquired by a student to qualify for the award of degree in his/her chosen branch or specialization.

7.1.2 Besides, this also helps in assigning the credits for each course, sequencing the courses semester-wise and finally arriving at the total number of courses to be studied and the total number of credits to be earned by a student to fulfil the requirements for conferment of degree.

7.1.3 Each theory course shall consist of four units.

7.2 Curriculum Structure

The curriculum is designed to facilitate CBCS and incorporates courses required to attain the expected knowledge, skills and attitude by the time of graduation as per the needs of the stakeholders. The curriculum structure consists of various course categories (as described in 7.2.1 to 7.2.10) to cover the depth and breadth required for the program and for the attainment of program outcomes of the corresponding program.

7.2.1 Institutional Core

Institutional Core consists of the courses required for all UG Engineering Programs offered in this college. The courses offered under this category cover the required knowledge in the following areas:

(a) Basic Sciences and Mathematics

Basic Science courses include Engineering Physics, Engineering Chemistry, Engineering Physics Laboratory and Engineering Chemistry Laboratory. Mathematics courses include Matrices & Differential Calculus, Laplace Transforms & Integral Calculus, Complex Analysis and Numerical Methods and Probability and Statistics.

(b) Basic Engineering Sciences

Basic Engineering Science courses include Problem Solving Methods, Programming in C, Basics of Electrical Engineering, Basic Electronic Engineering, Electronic Devices, Electronic Devices & Circuits, Engineering Graphics, Engineering Mechanics-I, Mechanics for Engineers, Engineering Mechanics – II, Network Analysis-1, Computer Programming Laboratory, Computing and Peripherals Laboratory and Basic Workshop.

(c) Humanities and Social Sciences

Humanities and Social Science Courses include Technical English and Communication Skills, Engineering Economics & Finance, Communication Skills Laboratory, Humanities Elective and Courses related to Soft skills.

7.2.2 Open Electives

Open Electives I, II, III, IV and V are offered across the programs to enhance the knowledge breadth and professional competency of the students. The courses offered under this category cover the knowledge in emerging areas/technologies.

Each department shall offer minimum two courses to choose and indicate the maximum number of students allowed to register against each course subject to the availability of the faculty.

Minimum number of students registered for an elective course shall be twenty (20).

a) Open Electives: I, IV

The student can have flexibility to register for these courses offered by various departments including parent department as an elective.

Open electives I and IV are offered in V and VI Semesters.

b) Open Elective -II (Inter Disciplinary):

The student can register for the courses offered by other departments as an elective in V Semester. The courses offered under this category cover the interdisciplinary knowledge in the following areas:

- Basic Engineering Sciences
- Basic Sciences and Mathematics

Each department shall offer minimum two courses to choose and indicate the maximum number of students allowed to register against each course, subject to the availability of the faculty.

c) Open Elective - III (Self - Learning):

The student can have flexibility to register for self learning courses offered by various departments including parent department as an elective in V Semester.

The self-learning students can register and complete the opted course in any one of the approved MOOCS platforms, on or before the Last Instruction Day of V Semester. They have to submit the certificate before the last Instruction Day of V Semester.

d) Open Elective- V:

This elective is offered by department which is open to all other departments. Students of the same department may opt for this elective (Option for Self Learning). It is offered in VIII Semester. Courses under this category, students may opt for either self-learning method or class room teaching. In the case of self-learning students can register and complete the opted course in any one of the approved MOOCS platforms, on or before the Last Instruction Day of VIII Semester. They have to submit the certificate before the last Instruction Day of VIII Semester. Students who have opted for class room teaching are required to attend for the class work, internal assessment and satisfy the requirement of regular theory course.

7.2.3 Program Core

The Program core consists of set of courses considered necessary for the students of the specific program. The courses under this category satisfy the Program Specific Criteria prescribed by the appropriate professional societies.

7.2.4 Program Electives

The program electives are set of courses offered in the program which cover depth and breadth to further broaden the student's knowledge. The students may register for appropriate electives offered in the program based on their area of interest.

7.2.5 Self - Learning

The students can learn the courses offered under this category on their own. The self-learning courses will be recommended by the department from the available open courseware. The self-learning courses shall be taken from the list of approved MOOCs providers (SWAYAM / NPTEL/ edX / others). They must be approved in the respective Board of Studies.

Students can register and complete the opted course in approved MOOCs platform on or before the Last Instruction Day of V semester. They have to submit the pass certificate before the Last Instruction Day of that semester

7.2.6 Engineering Project for Community Services, Mini Project and Major Project

Engineering Project for community services will be carried out during summer vacation after IV Semester and the report shall be submitted in VI Semester. Students will go to the society (Villages/Hospitals/Towns, etc.,) to identify the problem and survey the literature for a feasible solution. The student(s) is encouraged to solve real life problems. This can be done in a group of students/individual.

Mini Project could be done in a group of students; involves working under a faculty member and carrying out a detailed feasibility study, literature survey and preparing a work plan for major project.

Major Project involves continuation of Mini Project. The objective is to complete the work as per the prepared work plan and prepare a detailed project report.

7.2.7 Industry Interaction

The students may register for one of the following:

a) Internships

The students may undergo internship of minimum 3 weeks duration in the industry approved by respective head of the department.

b) Industry offered courses

The students can opt for the courses under this category offered by the Industry experts whose minimum academic qualification is Bachelor or Engineering or equivalent.

c) Global Professional certification

The students can complete the global professional certification under this category.

7.2.8 Personality Development Courses – Soft Skills

The courses offered under this category are to improve employability skills of the students. One course in each semester, spreading across four semesters, and will be offered from 3rd to 6th Semesters.

7.2.9 Mandatory Learning Courses

As per the guidelines given by statutory bodies, courses on Environmental Studies, Professional ethics & Human Values,

Technology & Society, Indian Constitution and Biology for Engineers are offered. For Lateral Entry students, only Environmental Studies, Indian Constitution and Biology for Engineers are offered.

Students who joined in first year must undergo an Induction Program at the beginning of the first semester as prescribed.

7.2.10 Student Practice Courses

Student Practice Courses are aimed at improving their professional competency. Student shall participate and complete successfully any one activity from (a) and any one activity from [(b) to (f)] as given below, before completion of 6th semester:

(a) **Co-curricular Participation:** Student should have participated in Technical Quizzes/Student paper contest/ Seminars/ Technical Events, etc., approved by the department.

(b) **National Cadet Corps (NCC)/National Service Scheme (NSS):** Student should have enrolled as a member of NCC/NSS at least for one year.

(c) **Games and Sports:** Participation in the university level, Zonal Level, State Level and above competitions.

(d) **Art and Cultural:** Participation in the university level and above competitions.

(e) **Competitions** conducted by Professional Societies (IEEE, IETE, ASME, IE, CSI etc.,) in the college or conducted by the other colleges.

(f) **Publication** in Conference or Journal/ Certifications from Industry as approved by the Head of the Department.

7.2.11 Skill based courses offered by the Engineering Departments (Non- Mandatory)

Students can also opt for Skill based courses of 15 hours duration which will be offered by experts from industry / other institution / in house faculty on specialized topics. They can complete such courses during the semesters 3 to 6 as and when these courses are offered by different departments. They will also be permitted to register for the skill based courses of other departments provided

they fulfil the necessary pre-requisites of the course offered, subject to approval by both the Heads of the Departments.

They can take a maximum of 4 courses during the programme, limited to a maximum of two per semester.

The courses opted under this category are purely optional to the students.

Students must attain satisfactory performance under this category of courses as certified by the head of the department concerned.

7.3 Course Numbering Scheme

The Course number consists of eight digits/alphabets. The example course number is illustrated in the following figure 1.

17CS1203

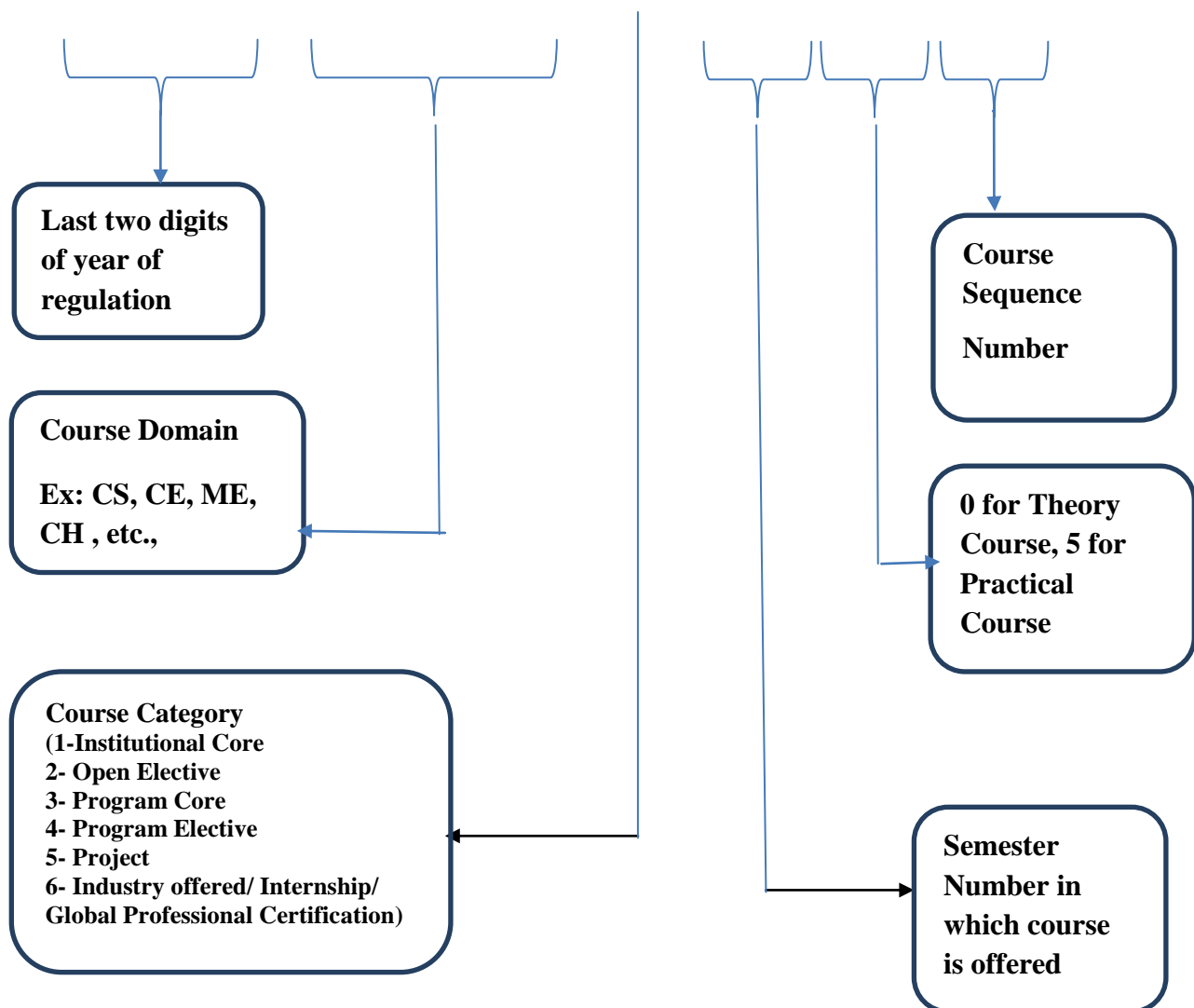


Figure 1: Course numbering scheme

7.4 Scheme of Instruction and Examination

The scheme of instruction and examination of all B. Tech programs are given in the curriculum books separately.

7.5 Medium of Instruction and Examination

The medium of instruction and examination is English.

8 Choice Based Credit System (CBCS)

Flexibility is extended to the fast learning students to take the courses of higher semesters in advance as per their convenience to concentrate on their placement activity/ project work etc., during the seventh/eighth semesters.

8.1 CBCS Course Registration Policy

Fast learning students can register for additional courses from higher semesters by satisfying the pre-requisite course(s) to a maximum of 8 credits in each of the semesters from 3rd semester onwards along with the regular semester courses as prescribed. There is no minimum limit on the credits for taking additional courses.

Eligibility for choosing CBCS flexibility:

- **Regular Students (4 Year duration)**, entering the nth semester with no back log courses as on date and with CGPA ≥ 7.75 up to (n-2)th semester, are only eligible to opt for this flexibility.
- **Lateral entry students (3 year duration)** with 70% Marks in their Diploma are eligible to opt for this flexibility during 3rd and 4th Semesters. Those students entering into V/ VI /VII semester with no backlog courses as on date and with CGPA ≥ 7.75 up to (n-2)th semester, are only eligible to opt for this flexibility

List of additional courses offered in the even & odd semesters, registration dates will be notified by the respective departments well in advance.

Withdrawal from the respective course by the student within 10 days after the commencement of the course.

Choice of opting this flexibility is purely optional to the students.

Minimum number of students required to register for an additional course shall be twenty (20). In case the registered strength for the additional course is less than twenty (20), the course may be offered on the recommendation of the Head of the Department and subsequent approval of the Principal.

8.2 Continuous Evaluation (CE) for CBCS opted Courses

The contact hours, continuous assessment pattern, eligibility criteria to write end semester examinations and revaluation scheme for these additional courses will be as per the current academic regulations [VR17].

8.3 Eligibility to appear CBCS registered courses for Semester End Examinations

The registered additional courses will be dealt separately as individual courses for the calculation of attendance and continuous assessment marks for assessing the eligibility to write the end semester examinations for these courses.

The performance of the student in the registered additional courses will be separately mentioned in the semester end grade card and will not be taken into account for the calculation of the SGPA for that semester.

The performance of the student in the registered additional courses will be taken into account in the corresponding semesters.

8.4 CBCS Course Detention

8.4.1 In case the student is detained for want of minimum specified attendance and continuous assessment marks criterion either in the regular semester or in the additional courses, he/she will forfeit the eligibility for registering additional courses from that semester onwards. However, the additional courses completed by the students in the earlier semesters will be valid and taken into consideration.

8.4.2 In case the student is detained for want of minimum specified attendance and continuous assessment marks criterion in the regular semester but meets minimum specified attendance and continuous assessment marks criterion in the registered additional courses, he/she shall write the end semester examinations for these additional courses along with the regular students in the corresponding semester only.

8.4.3 In case the student fails/absent in the end semester examinations of the registered additional courses or in the regular semester courses in a particular semester, he will forfeit the eligibility for registering additional courses from that semester onwards. However, the additional courses completed by the students in the earlier semesters will be valid and taken into consideration. They can write the end semester examinations for additional courses in which they failed/absent, along with regular students in the corresponding semesters only.

- 8.4.4 Criterion for the promotion to higher semesters will be as per VR17 regulations taking only the regular semester courses into consideration for the fast learners.
- 8.4.5 Additional courses, in which the fast learning student fails, will not be taken as backlogs for them.
- 8.4.6 Fast learning students shall register for all the courses of a regular semester excluding the courses completed in the previous semesters.
- 8.4.7 Credits scored by students through CBCS subjects shall not be considered for credit promotion from 2nd year to 3rd year or from 3rd year to 4th year B Tech
- 8.4.8 The student opting for the said flexibility will be considered for award of the division on par with other regular students.
- 8.4.9 The students who had earlier history of indulging in malpractices in semester end examinations are not eligible for opting CBCS
- 8.4.10 If the student fails to register for opted CBCS courses for semester end examination he/she will forfeit the eligibility for registering additional courses from that semester onwards and marks secured through continuous assessment will not be considered.
- 8.4.11 The choice of opting this flexibility is purely optional to the students.
- 8.4.12 If a student fails/absent in a CBCS course, he/she is bound to appear in the same course when studied in regular semester. The internal marks will be carried to the regular semester.

9. EXAMINATIONS & SCHEME OF EVALUATION

9.1 Description of Evaluation

9.1.1 **Continuous Evaluation (CE):** The performance of the student in each course is evaluated by the faculty/course coordinator all through the semester; with mid-term tests (sessional-1 and sessional-2), assignments, project reviews, viva voce, laboratory assessment and other means covering the entire syllabus of the course.

9.1.2 **Semester End Evaluation (SE):** It shall be conducted by chief controller of examinations at the end of each semester, as per the academic calendar and with a written examination for theory

courses and practical/project examination with built-in oral part for laboratory/project.

9.2 Continuous Evaluation (CE)

9.2.1 Theory Courses

9.2.1.1 Theory Courses with 2/3/4 credits

Each course is evaluated for 30 marks (a+b+c+d)

- a) Two assignment tests each for 10 marks will be conducted for 45 minutes duration. The assignment marks shall be awarded giving a weightage of 2/3rd in the assignment test in which the student scores more marks and 1/3rd for the assignment test in which the student scores less marks.

Question bank with minimum six comprehensive questions from the concerned UNIT of the syllabus will be given at least a week in advance before the commencement of Assignment Test.

The question paper shall contain two comprehensive questions, each one for Five Marks. The student is required to answer all the questions.

- b) Two midterm (Sessional - 1 and Sessional - 2) examinations each for 12 Marks will be conducted for **60 minutes** duration. The midterm marks shall be awarded giving a weightage of 2/3rd in the midterm examination in which the student scores more marks and 1/3rd for the midterm examination in which the student scores less marks.

The question paper shall be given in the following pattern:

Part A: Contains 'four' questions of one mark each. The student shall answer all questions.

Part B: Contains 'three' questions of 4 Marks each out of which student shall answer two questions.

Syllabus for CE

Name of the Test	Syllabus
Assignment – 1	UNIT - I
Sessional – 1	UNIT - I & UNIT - II
Assignment – 2	UNIT - III
Sessional – 2	UNIT - III & UNIT - IV

- c) 5 marks in each theory course shall be allotted for home assignments. The home assignments are to be decided by the course coordinators. There shall not be an overlap or repetition of questions/problems of home assignments with those of assignment tests. Separate problems are to be given for each group (3 to 4 students). The home assignments for five marks to provide broadened exposure to the course. The questions shall include problem solving approach, problem analysis & design, implementation, case studies etc.,
- d) 3 marks in each theory course shall be given for regularity in a graded manner as given in the Table 3.

Table 3: Regularity based marks system

S. No	Attendance Range	Marks Awarded
1	80% and above but less than 90%	2 Marks
2	90% and above	3 Marks

The questions shall be framed in assignments, sessional examinations and home assignments in line with the Course Outcomes defined and cognitive levels.

9.2.1.2 Theory Courses with One Credit & Mandatory Learning (Non Credit) Courses

Each course is evaluated for 100 marks (a+b+c)

- a) In continuous assessment, two examinations (Sessional - 1 & Sessional -2) for 92 Marks each examination will be conducted for 46 marks of **90 minutes** duration.

The question paper shall be given in the following pattern:

Part A: Contains ‘Six’ questions of one mark each.

Part B: Contains ‘Six’ questions of Ten Marks each out of which student shall answer any four questions.

Syllabus for CE

Name of the Test	Syllabus
Sessional – 1	UNIT - I & UNIT - II
Sessional – 2	UNIT - III & UNIT - IV

The question paper pattern may vary for some courses (soft skills and Humanities elective) based on the recommendations of the head of the department and approved by the Principal.

The questions shall be framed in line with the Course Outcomes defined and cognitive levels.

b) 5 marks shall be allotted for home assignments. The home assignments are to be decided by the course coordinators. Separate problems are to be given for each group (3 to 4 students). The home assignments for five marks to provide broadened exposure to the course.

c) 3 marks in each theory course shall be given as per percentage of attendance in a graded manner as given in the Table 3.

Credits and grades will be awarded as per VR17 Regulation and Mandatory Learning courses do not carry credits.

In case, if the student fails to get minimum qualifying marks in the continuous assessment he /she has to appear and pass in subsequent examination(s) when conducted for the respective course(s) to award the degree. However, he/she has to register for the supplementary examination by paying prescribed fee.

9.2.1.3 Skill based courses offered by the Engineering Departments (Non- Mandatory)

There will not be continuous evaluation for the courses under this category. Students shall put in a minimum of 75% attendance in the opted course. Only **Course End Examination** will be conducted in these courses. Student has to re-register for the course when offered next, if he/she fails to fulfil attendance and End Examination marks requirement.

9.2.2 Laboratory Courses

For Laboratory courses there shall be continuous evaluation during the semester for 30 marks and semester end evaluation for 70 marks. The distribution of marks for continuous evaluation is given in the Table 4:

Table 4: Distribution of Marks (CE)

S. No.	Criterion	Marks
1	Day to Day work	10
2	Record	05
3	Assessment	15

9.2.3 Engineering Project for Community services and Mini Project

For Engineering Project for Community services / Mini Project, there shall be continuous evaluation during the semester for 30 marks and semester end evaluation for 70 marks. The distribution of continuous evaluation marks is given in the Table 5:

Table 5: Distribution of Marks (CE)

S. No.	Criterion	Marks
1	Day to Day Assessment	10
2	Two Reviews	10+10

9.2.4 Major Project

For Major Project there shall be continuous evaluation during the semester for 30 marks and semester end evaluation for 70 marks. The continuous evaluation for the Major Project shall be on the basis of day to day assessment by the supervisor and two reviews conducted by the Project Review Committee (PRC).

The PRC consists of Head of the Department, Program Coordinator and one Senior Faculty member of the department.

The distribution of marks is given in the Table 6:

Table 6: Distribution of Marks (CE)

S. No.	Criterion	Marks
1	Day to Day Assessment	10
2	Two Reviews	10+10

9.2.5 Self-Learning Courses (Prescribed from the existing open courseware)

Students who have qualified in the examination conducted by the MOOC providers as specified in 7.2.5 are exempted from appearing in the continuous and semester end evaluations conducted by the institution in that category.

In case a student fails to complete the MOOCs course offered by MOOC's providers, he/she may be allowed to register again for the same with any of the providers from the list approved by the department.

For the courses under this category, those students who have not registered under MOOCs platform and are able to learn by themselves shall appear for continuous evaluation for 30 marks and semester end examination for 70 marks in the VIII semester.

The distribution of marks for continuous evaluation is given in the Table 7:

Table 7: Distribution of Marks (CE)

S. No.	Criterion	Marks
1	Home Assignment	5
2	Assignment Tests	10
3	Sessional Examinations	15

9.3 Semester End Evaluation

9.3.1 Theory Courses

9.3.1.1 Theory Courses with 2/3/4 Credits (Under 7.2.1 to 7.2.4): 70 Marks

The Semester end evaluation shall be conducted for 3 hours duration at the end of the semester. The question paper shall be given in the following pattern:

- a) **Part A:** Contains 10 questions of one mark each to test the knowledge level of the student. A minimum of two Questions will be given from each unit of the syllabus out of four units.
- b) **Part B:** Contains two questions from each unit with internal choice. Each question carries 15 marks. Each course shall consist of four units of syllabus.

The questions shall be framed in line with the Course Outcomes defined and cognitive levels.

9.3.1.2 Theory Courses with One Credit and Mandatory Learning Courses

There shall be no Semester End Examination for this category of courses.

The grades earned by the students from Mandatory Learning Courses will not be considered for the calculation of CGPA.

For Induction program, student is required to submit comprehensive report about the program. Concerned faculty members shall evaluate the report and rate the performance of the student as satisfactory or not-satisfactory.

9.3.1.3 Skill based courses offered by the Engineering Departments (Non- Mandatory): 100 Marks

Semester End Examination will be conducted by the departments concerned for 100 Marks and they will be evaluated by internal faculty approved by the Principal.

The question paper pattern will be decided by the concerned faculty with prior approval from the Principal.

Grades will be awarded as per VR17 regulation

Students participating in these courses shall attain satisfactory level of performance in that course.

The grades earned by the students will not be considered in the calculation of CGPA.

9.3.2 Laboratory Courses: 70 marks

- i. The semester end examination for laboratory courses shall be conducted for three hour duration at the end of semester for 70 marks as given below:

S.No.	Criterion	Marks
1	Procedure	20
2	Experiment/Program execution	25
3	Results	10
4	Viva-voice	15

- ii. Each Semester-end Laboratory Examination shall be conducted by an External Examiner along with an Internal Examiner. The average of the marks awarded by Internal and External Examiners shall be taken into consideration.

9.3.3 Engineering Project for Community services and Mini Project: 70 marks

The distribution of semester end examination marks for Engineering Project for Community services and Mini Project is given in Table 8.

Table 8: Distribution of Marks in Engineering Project for Community services and Mini Project

S.No.	Criterion	Marks
1	Report	40
2	Presentation and Viva Voce	30

The semester end examination shall be conducted and evaluated by the Committee nominated by the Head of the Department.

9.3.4 Major Project: 70 marks

The semester end examination for project work shall be held for 70 marks by a committee consisting of an external examiner, Head of the Department and Programme coordinator. The evaluation of project work shall be conducted at the end of the VIII Semester.

The average of the marks awarded by the committee members shall be taken into consideration in case of variation among the members.

The evaluation of 70 marks is distributed as given in Table 9:

Table 9: Distribution of Marks in Major Project

Sl. No.	Criterion	Marks
1	Report	40
2	Presentation and Viva Voce	30

9.3.5 Self-Learning Courses: 70 marks

The semester end examinations for the courses under this category are evaluated for 70 marks. The question paper shall be given as described in 9.3.1.1 by course coordinator and the examination will be conducted

by the controller of examinations. The evaluation of the semester end examination will be carried by the course coordinator.

9.3.6 Industry Interaction : 100 Marks

a) Internships :

The candidate shall submit the comprehensive report to the department. The report will be evaluated for 100 marks by the Review Committee consisting of Head of the department, Program Coordinator and Industry Institute Interaction Coordinator.

b) Industry Offered Courses:

The semester end examination for courses under this category is evaluated for 100 marks and it shall be conducted & evaluated by the industry expert who has delivered the lecture or by faculty nominated by the head of the department in consultation with the industry expert. The question paper pattern shall be decided by the industry expert at the beginning of the course and same is to be approved by the Principal.

c) Global Professional Certification:

Students who obtained Global Professional Certification from the globally recognised bodies.

There will not be continuous evaluation for the courses under this category. The students shall earn minimum 50% of maximum marks for qualifying under this category of courses.

9.3.7 Student Practice Courses

Student shall participate and complete successfully any one activity from (a) and any one activity from [(b) to (f)] as given below, before completion of 6th semester:

- (a) **Co-curricular participation:** Student should have participated in Technical Quizzes/Student paper contest/Seminars/Technical Events, etc., approved by the department.
- (b) **National Cadet Corps (NCC) / National Service Scheme (NSS):** Student should have enrolled as a member of NCC/NSS at least for one year.

- (c) **Games and Sports:** Participation in the university level, Zonal Level, State Level and above competitions.
- (d) **Art and Cultural:** Participation in the university level and above competitions.
- (e) **Competitions** conducted by Professional Societies (IEEE, IETE, ASME, IE etc.,)
- (f) **Publication** in Conference or Journal/Certifications from Industry as approved by the Head of the Department.

9.4 Conditions for Pass

9.4.1 A candidate shall be declared to have passed in individual theory/drawing course if he/she secures a minimum of 40% aggregate marks (Continuous Evaluation & Semester End Examination marks put together), subject to a minimum of 35% marks in semester end examination.

9.4.2 A candidate shall be declared to have passed in individual laboratory course /project if he/she secures a minimum of 50% aggregate marks (Continuous Evaluation & semester end examination marks put together), subject to a minimum of 40% marks in semester end examination.

A candidate shall be declared to have passed in internship/industry offered course/ Global Certification if he/she secures a minimum of 50% aggregate marks.

9.4.3 The student has to pass the failed course by appearing the supplementary examination as per the requirement for the award of degree. In the case of Internship/ industry offered course / Global Professional Certification, the student has to pass by appearing in subsequent examination as and when held.

9.4.4 On passing a course of a program, the student shall earn assigned credits for that Course.

9.5 Revaluation

9.5.1 Continuous Evaluation

The continuous Evaluation scripts shall be shown to the students before finalizing the marks. However, if the student has any concern,

not addressed before finalization of marks, he/she may submit the application for revaluation to the concerned head of the department.

The Head of the Department may constitute a two member committee for re-evaluating the script. The evaluation of the committee is final and binding.

9.5.2 Semester End Evaluation

1. As per the notification issued by the Chief Controller of Examinations, the students can submit the applications for revaluation, along with the requisite fee receipt for revaluation of his/her answer script(s) of theory course(s), if he/she is not satisfied with marks obtained.
2. The Controller of Examinations shall arrange for re-evaluation of those answer script(s).
3. A new external examiner, other than the first examiner, shall re-evaluate the answer script(s).
4. Better marks between the two will be taken into consideration.

9.6 Withholding of Results

If any case of malpractice or indiscipline is pending against a student, the result of the student will be withheld and he/she will not be allowed to enter the next semester. His/her degree will be withheld in such cases.

10 CRITERIA TO ATTEND SEMESTER END EXAMINATION AND PROMOTION TO HIGHER SEMESTER

10.1 Eligibility for Semester End Examinations

10.1.1 Attendance (Minimum 75%)

- 10.1.1.1 Students shall put in a minimum average attendance of 75% in the courses from category 7.2.1 to 7.2.9 put together computed by totalling the number of periods of lectures, tutorials, drawing, practical and project work as the case may be, held in every course as the denominator and the total number of periods attended by the student in all the courses put together as the numerator, to be eligible to write semester end examinations.

10.1.1.2 Condonation of shortage in attendance may be recommended by respective Heads of Departments on genuine medical grounds, provided the student puts in at least 65% attendance as calculated above and provided the Principal is satisfied with the genuineness of the reasons and the conduct of the student.

10.1.1.3 Students, having more than 65% and less than 75% of attendance, shall have to pay requisite fee towards condonation.

10.1.2 Marks (Minimum 50%)

Minimum of 50% aggregate marks in courses from category 7.2.1 to 7.2.7 put together must be secured by the candidates in the continuous assessment conducted for theory, practice and laboratory courses, to be eligible to write semester end examinations.

However, if the student is eligible to write the semester end examinations based on the attendance, in case necessary, a shortage of internal marks up to a maximum of 10% may be condoned by the Principal based on the recommendations of the Heads of the Departments.

Students having shortage of internal marks up to a maximum of 10% shall have to pay requisite fee towards condonation.

10.1.3 Eligible candidate who fails to register for the semester-end examinations shall not be permitted to continue the subsequent semester, and has to repeat the semester for which he/she has not registered for semester end examinations.

10.2 Conditions for Promotion

10.2.1 A student shall be eligible for promotion to next Semester of B.Tech program, if he/she satisfies the conditions as stipulated in Regulations **10.1.1 and 10.1.2.**

10.2.2 Further a student shall be eligible for promotion to V / VII Semester of B.Tech programme, if he/she acquires the minimum number of credits as given below.

Table 10: Promotion Criteria

For Admission into	Minimum Credits Required	
	Regular Students	Lateral Entry Students
V Semester	41 out of 82	-
VII Semester	64 out of 128	44 out of 88

10.2.3 Promotion to V Semester

A student shall be promoted from **IV Semester to V Semester** only if he/she acquires the academic requirement of a minimum **41 credits** up to IV Semester from the following examinations:

1. One regular and three subsequent supplementary examinations of I Semester
2. One regular and two subsequent supplementary examinations of II Semester
3. One regular and one subsequent supplementary examination of III Semester
4. One regular examination of IV Semester

Irrespective of the candidate takes the examination or not.

10.2.4 Promotion to VII Semester

10.2.4.1 For Regular Students

A student shall be promoted from **VI Semester to VII Semester** only if he/she acquires the academic requirement of a minimum **64 credits** up to VI Semester from the following examinations:

1. One regular and five subsequent supplementary examinations of I Semester
2. One regular and four subsequent supplementary examination of II Semester
3. One regular and three subsequent supplementary examinations of III Semester
4. One regular and two subsequent supplementary examinations of IV Semester
5. One regular and one subsequent supplementary examination of V Semester
6. One regular examination of VI Semester

Irrespective of the candidate takes the examination or not.

10.2.4.2 For Lateral Entry Students

A student shall be promoted from **VI Semester to VII Semester** only if he/she acquires the academic requirement of a minimum 44 credits up to VI Semester from the following examinations:

1. One regular and three subsequent supplementary examinations of III Semester
2. One regular and two subsequent supplementary examinations IV Semester
3. One regular and one subsequent supplementary examination of V Semester
4. One regular examination of VI Semester

Irrespective of the candidate takes the examination or not.

10.2.4.3 For Detained Students

- a) Students who are already detained for want of credits shall be promoted to V Semester if he/she fulfills the credit requirements (41 credits) from all the regular and supplementary examinations held up to IV Semester till the commencement of next academic year.
- b) Students who are already detained for want of credits shall be promoted to VII Semester if he/she fulfills the credit requirements (64 credits- regular students / 44 credits – lateral entry students) from all the regular and supplementary examinations held up to VI Semester till the commencement of next academic year.

11. SUPPLEMENTARY EXAMINATIONS

11.1 General

11.1.1 Semester end Supplementary examinations will be conducted along with regular semester end examinations.

11.1.2 Semester end supplementary Examinations shall be conducted in courses of each semester four times after the conduct of the last set of regular examinations (i.e. IV/IV B.Tech., Second Semester Examinations) under the present regulation.

11.1.3 There after supplementary examinations will be conducted in the equivalent courses as prescribed by concerned BOS.

11.2 Advanced Supplementary Exams

Candidate(s), who fails in Theory or Laboratory courses of 4th year II semester, can appear for advanced supplementary examination conducted within one month after declaration of the revaluation results. However, those candidates that fail in the advanced supplementary examinations of 4th year II semester shall appear for subsequent examinations along with regular candidates conducted at the end of the respective academic year.

12. READMISSION CRITERIA

A candidate, who is detained in a semester due to lack of attendance/marks/credits, has to obtain written permission from the Principal for readmission into the same semester after duly fulfilling all the required norms stipulated by the college in addition to paying an administrative fee of **Rs. 1,000/-**

12.1 Rules for calculation of attendance for readmitted students

- a) No. of classes conducted will be counted from the commencement day of the semester concerned, irrespective of the date of payment of tuition fee.
- b) They should submit a written request to the principal of the college, along with a challan paid towards tuition and other fee, for readmission before the commencement of the class work.
- c) They may know the information regarding date of commencement of class work for each semester that will be made available in the college notice boards/website from time to time.

13. BREAK IN STUDY

Student, who discontinues the studies for whatever may be the reason, can get readmission into appropriate semester of B.Tech programme after break-in study, with the prior permission of the Principal and following the transitory regulations applicable to such batch in which he/she joins. An administrative fee of **Rs. 2000/-** per each year of break in study in addition

to the prescribed tuition and special fee has to be paid by the candidate to condone his/her break in study.

14. **Gap Year - Concept of Student Entrepreneurship in Residence**

Gap Year facility is extended by the committee chaired by the Principal to the outstanding students who wish to pursue entrepreneurship during their course of study with a break of one year or two years. This is extended to two years at the most and these two years would not be counted for the maximum time period of graduation. The gap year facility is given to ensure syllabus continuity at the time of joining back and after an appraisal process by an incubator where the student is attached. Students who avail gap Year facility should follow transitory regulations.

First class with distinction will be awarded to those students who availed themselves of gap year facility to pursue entrepreneurship subject to fulfilment of all conditions stipulated in academic regulations for the award of first class with distinction.

15. **IT & Entrepreneurship @ College level**

The committee with the Principal as the chairman, an external member (preferably from industry), two internal members and respective HOD as the member secretary will evaluate the students who are involved in IT and entrepreneurship activities and decides awarding of 5% grace marks and 20% attendance.

The committee is vested with the power & authority to ascertain the modalities and parameters to recognize a specific student as “Outstanding” for granting gap period for the purpose of pursuing entrepreneurship in residence and also for working on “Startup Idea” at the college level, as far as student entrepreneur working on start-up idea is concerned. Student entrepreneurs working on a start-up idea during first year of the college may be permitted to convert their start-up project as their final year project towards degree completion.

First class with distinction will be awarded to those students who availed themselves of gap year facility to pursue entrepreneurship subject to fulfillment of all conditions stipulated in academic regulations for the award of first class with distinction.

16. TRANSITORY REGULATIONS

A candidate, who is detained or discontinued in the semester, on re-admission shall be required to pass all the courses in the curriculum prescribed for such batch of students in which the student joins subsequently and the academic regulations be applicable to him/her which are in force at the time of his/her admission. However, exemption will be given to those candidates who have already passed in such courses in the earlier semester(s) and additional courses are to be studied as approved by Board of Studies and ratified by Academic Council.

17. ELIGIBILITY FOR AWARD OF B.Tech. DEGREE

17.1 The B.Tech Degree shall be conferred on a candidate who satisfies the following requirements.

17.1.1 a) A Regular student (four year programme) should register for 165 credits and secure all the Credits from the categories 7.2.1 to 7.2.8

b) Student shall earn minimum pass grade from the category 7.2.9

c) Student shall attain satisfactory performance from the category 7.2.10

d) Also student may or may not complete 4 courses from the category 7.2.11

17.1.2 a) A Lateral Entry student (three year programme) should register for 125 credits and secure all the Credits from the categories 7.2.1 to 7.2.8

b) Student shall earn minimum pass grade from the category 7.2.9

c) Student shall attain satisfactory performance from the category 7.2.10

d) Also student may or may not complete 4 courses from the category 7.2.11

17.2 Award of Division

The criteria for award of division, after successful completion of program as per section 17.1 is as shown in table 11

Table 11: Criteria for Award of Division

CGPA	DIVISION
≥ 7.75	First Class with distinction*
$\geq 6.5 - < 7.75$	First Class
$\geq 5.5 - < 6.5$	Second Class
$\geq 4 - < 5.5$	Pass Class
< 4	Fail

*Awarded only if all the credit courses prescribed are cleared in single attempt with in four years for regular candidates and three years for lateral entry candidates

*Detained and break-in study candidates are not eligible for the award of First Class with Distinction

*The students who are approved for break in study for entrepreneurs/start-ups will also be considered for award of first class with distinction

*The cases of students who are absent for semester end examination only once in his/her duration of B Tech programme on valid medical grounds/humanitarian grounds will also be considered for the award of First class with Distinction subject to the recommendations of the committee constituted by the Principal

For the purpose of awarding First, Second and Pass Class CGPA obtained in the examinations appeared within the maximum period allowed for the completion of the programme shall be considered.

17.3 Consolidated Grade Card

A consolidated grade card containing credits & grades obtained by the students will be issued after successful completion of the four year B.Tech Program.

18. IMPROVEMENT OF CUMULATIVE GRADE POINT AVERAGE

18.1 A candidate, after becoming eligible for the award of the Degree, may reappear for the semester end examination in any of the theory

courses as and when conducted, for the purpose of improving the CGPA and the division. But this reappearance shall be within a period of two academic years after becoming eligible for the award of the degree subject to fulfilment of current regulation 17.0.

Candidates shall not be permitted to reappear either for continuous evaluation or for semester end examinations in laboratory courses.

18.2 However, this facility shall not be availed by a candidate who has taken the Provisional Certificate.

18.3 Modified Grade Cards & Consolidated Grade Card will be issued after incorporating new Grades & Credits.

19. **CONDUCT AND DISCIPLINE**

19.1 Students shall conduct themselves within and outside the premises of the Institute in a manner befitting the students of our Institution.

19.2 As per the order of Honorable Supreme Court of India, ragging in any form is considered as criminal offence and is banned. Any form of ragging will be severely dealt with.

19.3 The following acts of omission and/or commission shall constitute gross violation of the code of conduct and are liable to invoke disciplinary measures with regard to ragging.

a) Lack of courtesy and decorum; indecent behavior anywhere within or outside the campus.

b) Willful damage or distribution of alcoholic drinks or any kind of narcotics to fellow students/citizens

19.4 The following activities are not allowed within the campus

a) Possession, consumption or distribution of alcoholic drinks or any kind of narcotics or hallucinogenic drugs.

b) Mutilation or unauthorized possession of library books.

c) Noisy and unseemly behavior, disturbing studies of fellow students.

d) Hacking computer systems (such as entering into other person's areas without prior permission, manipulation and/or damage of computer hardware and software or any other cybercrime etc.)

- e) Use of cell phones in the campus.
- f) Plagiarism of any nature.
- g) Any other act of gross indiscipline as decided by the college from time to time.

19.5 Commensurate with the gravity of offense, the punishment may be reprimand, fine, expulsion from the institute / hostel, debarment from an examination, disallowing the use of certain facilities of the Institute, rustication for a specified period or even outright expulsion from the Institute, or even handing over the case to appropriate law enforcement authorities or the judiciary, as required by the circumstances.

19.6 For an offence committed in (i) a hostel (ii) a department or in a class room and (iii) elsewhere, the Chief Warden, the Head of the Department and the Principal, respectively, shall have the authority to reprimand or impose fine.

19.7 Cases of adoption of unfair means and/or any malpractice in an examination shall be reported to the Principal for taking appropriate action.

19.8 Un-authorized collection of money in any form is strictly prohibited.

19.9 Detained and Break-in-Study candidates are allowed into the campus for academic purposes only with permission from Authorities.

19.10 Misconduct committed by a student outside the college campus but having the effect of damaging, undermining & tarnishing the image & reputation of the institution will make the student concerned liable for disciplinary action commensurate with the nature & gravity of such misconduct.

19.11 The Disciplinary Action Committee constituted by the Principal, shall be the authority to investigate the details of the offence, and recommend disciplinary action based on the nature and extent of the offence committed.

19.12 “Grievance Appeal Committee” (General) constituted by the Principal shall deal with all grievances pertaining to the academic / administrative /disciplinary matters.

19.13 All the students must abide by the conduct and discipline rules of the college.

20 **MALPRACTICES**

20.1

- a) The Principal shall refer the cases of malpractices in semester-end examinations to a Malpractice Enquiry Committee, constituted by him/her for the purpose. Such committee shall follow the approved scales of punishment. The Principal shall take necessary action, against the erring students based on the recommendations of the committee.
- b) The cases of malpractices in continuous evaluation tests (both Theory and Practical) shall be resolved by the head of the department following the approved scales of punishment notified to students in advance.

If the Student have any grievance on the decision of the Head of the Department, he/she may appeal to the principal in the case of continuous evaluation tests.

20.2 Any action on the part of candidate at an examination trying to get undue advantage in the performance or trying to help another, or derive the same through unfair means is punishable according to the provisions contained hereunder. The involvement of the Staff, who are in charge of conducting examinations, valuing examination papers and preparing/keeping records of documents relating to the examinations, in such acts (inclusive of providing incorrect or misleading information) that infringe upon the course of natural justice to one and all concerned at the examination shall be viewed seriously and recommended for award of appropriate punishment after thorough enquiry.

21 **OTHER MATTERS**

21.1 Scribe facility is extended to B Tech students strictly following the guidelines issued under F. No. 16-110/2003-DD.III dt 26-02-2013 by the Ministry of Social Justice and Empowerment, Department of Disability Affairs, Govt. of India.

- 21.2 Students who are suffering from contagious diseases are not allowed to appear either continuous assessment or semester end examinations.
- 21.3 The students who participated in coaching/tournaments held at State/National /International levels through University / Indian Olympic Association during semester end examination period will be promoted to subsequent semesters till the entire programme is completed as per the guidelines of University Grants Commission Letter No. F.1-5/88 (SPE/PES), dated 18-08-1994.
- 21.4 Based on recommendations of HOD & Principal, exemption from attending the class work will be given to those students who secure placement and intend to join as the employer in VIII semester of B.Tech.
- Special Continuous Evaluation (Assignment Tests, Sessional, etc.,) will be arranged to such candidates separately if necessary.
- However, they shall appear for Semester End Examinations as per the Academic Calendar
- 21.5 The Principal shall deal with any academic problem, which is not covered under these rules and regulations, in consultation with the Heads of the Departments in an appropriate manner, and subsequently such actions shall be placed before the academic council for ratification. Any emergency modification of regulation, approved in the Heads of the Departments Meetings, shall be reported to the academic council for ratification.

22 **AMENDMENTS TO REGULATIONS**

The Academic Council may, from time to time, revise, amend or change the regulations, schemes of examination and/or syllabi.

Oratory

PRINCIPAL

SCALE OF PUNISHMENT TO DEFAULTERS WHO INDULGE IN MALPRACTICE CASES AT YEAR END / SEMESTER END EXAMS

1. Any action on the part of a candidate at an Examination trying to get undue advantage in the performance in the examination or trying to help another, derive the same through unfair means is punishable according to the provisions contained hereunder. The involvement of the staff (who are in charge of conducting examinations, valuing examination papers and preparing / keeping records and documents relating to the examinations) in such acts (inclusive of providing incorrect or misleading information) that infringe the course of natural justice to one and all concerned at the examinations shall be viewed seriously and recommended for award of appropriate punishment. In case of persons who do not fall within the ambit of these rules for applicability, the cases shall be reported to the police for taking appropriate steps to deal as per the laws of the land.
2. In the rules to follow, the year means the examination year (i.e. the period between two regular examinations, for a course of one academic year), and for some courses examinations may be held twice. In such a year in the name of one regular and one supplementary examination (i.e. March and September examinations) when the candidate has two chances in a year.
3. Cancellation of the performance of a candidate at an examination and disqualification from appearing at the examination for a specific period would refer to all papers in all years of study of the candidate for which he/she has registered or is due to register for appearing at the examinations (including practical and viva-voce examinations).
4. a) COLLEGE herein means Velagapudi Rama Krishna Siddhartha Engineering College, Vijayawada, A.P
 b) MEC Means MALPRACTICE ENQUIRY COMMITTEE.
 c) CS Means Chief Superintendent.
 d) Year End / Semester End Examinations mean Examinations conducted at the end of Academic year or at the end of each semester.
 e) SMP means Suspected Malpractice.
 f) EXAMINATION means Theory / Practical / Project.

5. Whenever a candidate is suspected to be resorting to malpractice at the time of taking the examination at the centre, the candidate is to be booked by the Squad / by the Observers / CS / any other college Staff or Officer On Duty, under SMP case following scrupulously the instructions given by the Academic Council, V R Siddhartha Engineering College, Vijayawada, in processing such cases. Under any circumstances, the candidate shall not be allowed to continue writing the paper; however, the Chief Superintendent, shall permit him / her for the rest of the papers on subsequent days at the current session of examinations only when the candidate is not involved in serious offences such as copying from the forbidden material, inserting papers with answers written by others or written by him outside, involving in impersonation case, exchanging answer papers in the hall, showing disrespect towards or assaulting the supervising personnel or acting in any manner that his presence is not conducive to maintaining discipline in the Examination Hall. The permission given by Chief Superintendent to appear at subsequent examinations does not guarantee the candidate that his answer scripts will be valued or result announced which is, however, subject to the final decision of the MEC, constituted by Principal of V R Siddhartha Engineering College, Vijayawada in the case already booked.

Since the candidate does not complete answering the paper at the time of booking the case, the CS/Observer/Squad Leader must ensure the Malpractice being reported is at least of the order that can be awarded a punishment not less than cancellation of performance of that paper as per the application of the rules. It means that the CS/Observer/Squad Leader is imposing on his/her responsibility a punishment of cancellation of performance of the paper on the prima facie evidence. A benefit of doubt, if any, shall be passed on to the candidate lest it should affect his career.

<u>NATURE OF OFFENCE / MALPRACTICE</u>	<u>SCALE OF PUNISHMENT</u>
<p>1) Found in possession of any material relevant or related to the subject of examination (even when present in a coded form)</p> <p>a) Written, typed or printed or photo copy in any form; matter relevant or related to the subject or Question Paper on clothes worn or possessed on any part of the body (other than palm) or pad or hall ticket or single or multiple papers, vanity bag or purse or any other instrument normally permitted into hall.</p> <p>b) A Candidate found copying or has copied from the forbidden material. (the copied portion in the answer book is to be marked and signed by the invigilators and chief superintendent)</p> <p>c) Matter (A Question or Answer to a Question in the paper or anything related to the subject) written on his/her own question paper or on the palm. The matter available on the palm should be transferred onto a paper and should be attested by the Invigilator & Chief Superintendent as a piece of evidence.</p> <p>d) If matter written on a desk or wall is established to be in the handwriting of candidate in the examination hall (the evidence has to be established). Even if the matter is in somebody's handwriting taking into account the nearness and circumstantial evidences the invigilating staff is</p>	<p>Expulsion from the examination hall and cancellation of performance of the candidate in all papers at the current session of examinations if the matter copied into the answer book is relevant to the Question Paper.</p> <p>ii) Expulsion from the examination hall and cancellation of performance of the candidate in all papers attempted up to the current exam, at the current session of examinations if the forbidden material is relevant to the question paper but not copied into the answer script.</p> <p>iii) Expulsion from the examination hall and cancellation of performance of the candidate in the current paper at the current session of examinations if the matter copied in to the answer script is not relevant to Question Paper or if the matter is not copied at all.</p>

empowered to book the case.	
<p>2) i) Possession of a calculator knowingly or unknowingly other than prescribed or permitted at an examination.</p> <p>ii) Possession of a Cell phone / Ipod/ organizer or any other electronic device knowingly or unknowingly other than prescribed or permitted at an examination.</p> <p>iii) Communicates through cell phone with any candidate or persons in or outside the exam hall in respect of any matter.</p>	<p>For the Malpractice cases (i) and (ii) Expulsion from the exam hall and cancellation in the current paper.</p> <p>Expulsion from the exam hall and cancellation in all the papers of the current examination.</p>
3) Destruction or supervision of evidence in any way like swallowing, tearing or throwing out etc.	Expulsion from the hall, cancellation of performance in all papers of the current examination.
4) Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods.	Expulsion from the exam hall, cancellation of the performance in the current paper.
<p>5) If the rendering of assistance is through transfer or exchange of answer book/additional book, both candidates are to be punished whether copying has taken place or not.</p> <p>a) Where exchange is involved from both sides.</p> <p>b) Where one candidate has transferred his paper to the second candidate without receiving paper in exchange.</p>	<p>Expulsion from the hall, cancellation of performance in all papers at the current exams for both candidates.</p> <p>The first candidate giving the paper to the other is awarded the punishment of cancellation of current paper at the current exams, while the second candidate is awarded punishment of cancellation of the all papers.</p> <p>Expulsion from college by issuing Transfer Certificate and informing to Police</p>

<p>6) a) Main / Additional Answer books printed outside found with candidate b) Forged signature of invigilator</p>	<p>Wherever applicable, the candidate is expelled from the hall. Cancellation of performance of the candidate at the current series of exams and disqualification from appearing any year end / semester end college exams for 1 year.</p>
<p>7) i) Insertion of main or additional book detected during examination time / during valuation. ii) Influencing the examiner/ invigilator or staff of college examination cell directly or through agents to get undue benefit.</p>	<p>Expulsion from hall, series debarment from the rest of current exams.</p>
<p>8) Consulting books or papers or persons outside the hall before handling over the paper (e.g. going on the plea of easing etc).</p>	<p>Cancellation of the performance in that paper at the current examination.</p>
<p>9) a) Candidates writing irrelevant matter or making markings or writing names/ initials/register number on the additional book etc. b) Making request to award pass etc. c) Writing objectionable, abusive or offensive language in the answer paper or in letters to the examiner.</p>	<p>Expulsion from the hall, cancellation of performance in all papers of current exams and disqualification from appearing any year end / semester end college examinations under autonomy status for one year.</p>
<p>10) i) Taking away the Answer Book (even if it is returned later) or leaving the hall without handing over the answer script or tearing away the answer book. ii) Sending out or throwing out question paper or answer paper or any kind of paper / object on which some questions or answers or related matter are written with the intention of getting or giving help</p>	<p>Expulsion from the hall, debarment for the rest of exams and disqualification from appearing any year end / semester end examinations for 1-2 years depending on the nature of misconduct.</p>

<p>11) Abuses, threats, disrespect (either by oral or written or by signs) to invigilating and supervising staff within the premises or outside.</p> <p>a) Comes in drunken condition to the examination hall. Causing damage to invigilator or college property</p>	<p>Same as in 11, In addition Handing over to police depending on the severity.</p> <p>The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. If the imposter is an outsider, he will handed over to the police and a case is registered against him.</p> <p>The performance of the original candidate, who has been impersonated, shall be cancelled in all the subjects of the examination (including practical and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all semester end examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.</p>
<p>12) If the candidate impersonates any other candidate in connection with the examination.</p>	<p>Permanent debarment from appearing any year end / semester end exams.</p>
<p>13) Physical assault on Examination personnel or college supervising staff</p> <p>a) Possess any lethal weapon or firearm in the examination hall</p>	<p>Permanent debarment from the college with a remark in TC and handing over to police.</p> <p>Cancellation of performance of the candidate in the current practical exam.</p>
<p>14) Presentation of records of another candidate at the practical examination.</p>	<p>Disqualification from appearing at any year end / semester end examination for 1 year.</p>
<p>15) A Candidate is found guilty for more than one time at the current or earlier examinations.</p>	<p>Suspension from service following accepted procedures and disciplinary action depending on the seriousness of offence. Decision of the college management & MEC is final.</p>

16) Involvement of Chief Superintendent, Principal, Invigilators, Teachers and other Staff in the leakage of question paper or meddling with answer books, selling or giving examination stationery for use outside the hall.	Loss of increment with entry in the SR of the person / persons causing obstruction for one year.
17) Obstruction of the Controller of examination or Observer or Squad from doing the duty at the examination centre by any staff member(s).	

- 18) a) Chief Superintendent and Assistant Superintendents who have reasons to suspect misconduct on the part of any candidate or candidates should forthwith make all possible preliminary investigation and communicate with the Principal or his nominee immediately, forwarding all material evidence available, together with the answer book (e.g. SMP Proforma, report of the squad, invigilators report, statement of issue of main answer books and additional books to candidates in the hall, seating arrangement and other relevant material or record) and the written explanation of the candidate. All such communications shall be sent through an authorized person on the same day, addressed to the Controller of Examinations or his nominee by name.
- b) In all such cases, the candidate or the candidates involved shall be sent out of the hall forthwith and kept out from writing the paper on the day, but before the candidate or candidates actually leaves or leave the premises, his or their explanation shall be taken in writing and forwarded to the Controller of examinations along with the report setting forth in detail all the material evidence. The address to which further communications are to be sent shall be obtained from the candidate.
- c) In all such cases of a suspected nature, the chief superintendents shall ordinarily permit the candidate in question to continue sitting for the subsequent papers at current examination except in cases of serious offences (e.g. when the candidate has not actually copied or inserted papers or reacted violently or shown disrespect to the supervising personnel or involved in impersonation).
- d) In case the candidate refuses to give a statement he is not to be forced to do so, only the fact of his refusal shall be recorded by the superintendent / observer /

flying squad member and attested by one of the members of the supervisory staff on duty at the time of occurrence. In this case of the person who commits an offence under any of these rules but is not a candidate for any year end / semester end examinations the chief superintendent may hand over the case to the police. Where a candidate / invigilating staff is alleged to have employed / promoted unfair means / violated year end / semester end examination conducted by the college under autonomous scheme, be given an opportunity, through a letter / telegram to explain the misconduct or violation of examination rules. If such explanation is not received within the stipulated period, the Controller of examinations shall proceed with the case as per the accepted legal provisions.

19) Other items, if any, not covered by the above rules.

The MEC is to make specific recommendations taking into account the circumstances, evidences and gravity of offence.

If the MEC comes to the conclusion basing on circumstantial evidences that a person has resorted to malpractice despite some procedural lapses in reporting by the supervising staff concerned, the case is to be decided according to the rules prescribed above.