SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE
(AUTONOMOUS)
(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada)
Accredited by NAAC with 'A+' Grade.
Recognised as Scientific and Industrial Research Organisation
SRKR MARG, CHINA AMIRAM, BHIMAVARAM – 534204 W.G.Dt., A.P., INDIA

ACADEMIC REGULATIONS (R23)
For B.Tech. FOUR YEAR DEGREE COURSE
(Applicable for the batches admitted from 2023-24)

Sagi Rama Krishnam Raju Engineering College 2023 Regulations (R23 Regulations) applicable to all programmes given hereunder. These regulations govern the B. Tech. programmes offered by all the Departments with effect from the students admitted into the programmes from academic year 2023-24.

1. **Courses of Study**

   The following programmes of study are offered at present as specializations for the B. Tech. programmes in S R K R Engineering College.

S.No	Programme	Code	Short Name
1.	Civil Engineering	01	CE
2.	Electrical & Electronics Engineering	02	EEE
3.	Mechanical Engineering	03	ME
4.	Electronics & Communication Engineering	04	ECE
5.	Computer Science & Engineering	05	CSE
6.	Information Technology	12	IT
7.	Artificial Intelligence and Data Science	54	AIDS
8.	Computer Science and Business System	57	CSBS
9.	Artificial Intelligence and Machine Learning	61	AIML
10.	Computer Science and Design	62	CSG
11.	CSE - Internet of Things and Cyber Security including Block Chain Technology	47	CIC
12.	Computer Science and Information Technology	07	CSIT

2. **Award of the Degree**
   a. **Award of the B.Tech. Degree** if he/she fulfils the following:
      i. Pursues a Programme of study for not less than four academic years and not more than eight academic years. However, for the students availing gap year facility, this period shall be extended by two years at the most and these two years would in addition to the maximum period permitted for graduation (Eight years).
      ii. Registers for 160 credits and secures all 160 credits.
   b. **Award of B. Tech. (Honor) / B. Tech. (Minor):** B. Tech. with Honors or a B. Tech. with a Minors will be awarded if the student earns 18 additional credits acquired as per the regulations/guidelines. The regulations/guidelines are separately provided. Registering for Honors/Minors is optional.
3. Students who fail to fulfill all the academic requirements for the award of the degree within eight academic years from the year of their admission, shall forfeit their seat in B.Tech. Programme and their admission stands cancelled. This clause shall be read along with clause 2 a) i).

4. **Admission** to the B. Tech Programme shall be made subject to the eligibility, qualifications and specialization prescribed by the A.P. State Government/ JNTUK University from time to time. Admissions shall be made either based on the merit rank obtained by the student in the common entrance examination conducted by the A.P. Government/University or any other order of merit approved by the A.P. Government/University, subject to reservations as prescribed by the Government/University from time to time.

5. **Programme related terms**

   Credit: A unit by which the course work is measured. It determines the number of hours of instruction required per week. One credit is equivalent to one hour of teaching (Lecture/Tutorial) or two hours of practical work/field work per week.

   Credit definition:

1 Hr. Lecture (L) per week	1 credit
1 Hr. Tutorial (T) per week	1 credit
1 Hr. Practical (P) per week	0.5 credit
2 Hrs. Practical (Lab) per week	1 credit

   a) Academic Year: Two consecutive (one odd + one even) semesters constitute one academic year.

   b) Choice Based Credit System (CBCS): The CBCS provides a choice for students to select from the prescribed courses.

6. **Semester/Credits:**

   i. A semester comprises 90 working days and an academic year is divided into two semesters.

   ii. The summer term is for eight weeks during summer vacation. Internship/ apprenticeship / work-based vocational education and training can be carried out during the summer term, especially by students who wish to exit after two semesters or four semesters of study.

   iii. Regular courses may also be offered during the summer on a fast-track mode to enable students to do additional courses or complete backlogs in coursework.

   iv. The College can decide on the courses to be offered in the summer term depending on the availability of faculty and the number of students.

7. **Structure of the Undergraduate Programme:**

   All courses offered for the undergraduate program (B. Tech.) are broadly classified as follows:

S.No.	Category	Breakup of Credits (Total 160)	Percentage of total credits	AICTE Recommendation (%)
1.	Humanities and Social Science including Management (HM)	13	8 %	8 – 9%
2.	Basic Sciences (BS)	20	13 %	12 - 16%
3.	Engineering Sciences (ES)	23.5	14%	10 – 18%
4.	Professional Core (PC)	54.5	34 %	30 – 36%
5.	Electives – Professional (PE) & Open (OE); Domain Specific Skill Enhancement Courses (SEC)	33	21 %	19 - 23%
6.	Internships & Project work (PR)	16	10 %	8 – 11%
7.	Mandatory Courses (MC)	Non-credit	Non-credit	-

8. All courses/ courses offered for the undergraduate programme in Engineering & Technology (B.Tech. degree programmes) are broadly classified as follows:

S.No.	Broad Course Classification	Course Category	Description
1.	Foundation Core Courses	Foundation courses	Includes Mathematics, Physics and Chemistry; fundamental engineering courses; humanities, social sciences and management courses
2.	Core Courses	Professional Core Courses (PC)	Includes courses related to the discipline/department/branch of parent Engineering
3.	Elective Courses	Professional Elective Courses (PE)	Includes elective courses related to the parent discipline/department/ branch of Engineering
		Open ElectiveCourses (OE)	Elective courses which include interdisciplinarycourses or courses in an area outside the parent discipline/ department/ branch of Engineering
		Domain specific skill enhancement courses (SEC)	interdisciplinary/job-oriented/domain courses whichare relevant to the industry
4.	Project & Internships	Project	B.Tech. Project or Major Project
		Internships	Summer Internships – Community based and Industry Internships; Industry oriented Full SemesterInternship
5.	Audit Courses	Mandatory non- credit courses	Covering courses of developing desired attitudeamong the learners

9 Programme Pattern

   i.   The total duration of the B. Tech (Regular) Programme is four academic years.

   ii.   Each academic year of study is divided into two semesters.

   iii.   The minimum number of instruction days in each semester is 90 days.

   iv.   There shall be a mandatory student induction program for freshers, with a three- week duration before the commencement of first semester. Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations etc., are included as per the guidelines issued by AICTE.

   v.   Health/wellness/yoga/sports and NSS /NCC /Scouts & Guides / Community service activities are made mandatory as credit courses for all the undergraduatestudents.

   vi.   Courses like Environmental Sciences, Indian Constitution, Technical Paper Writing & IPR are offered as non-credit mandatory courses for all the undergraduate students.

   vii.   Design Thinking for Innovation & Tinkering Labs are made mandatory as credit courses for all the undergraduate students.

   viii.   Increased flexibility for students through an increase in the elective component of the curriculum, with 05 Professional Elective courses and 04 Open Elective courses.

   ix.   Professional Elective Courses include the elective courses relevant to the chosen specialization/programme. Proper choice of professional elective courses can lead to students specializing in emerging areas within the chosen field of study.

x.   While choosing the electives, students shall ensure that they do not opt for the courses with syllabus contents similar to courses already pursued.

xi. A pool of interdisciplinary/job-oriented/domain skill courses which are relevant to the industry are integrated into the curriculum of all disciplines. There shall be 05 skill enhancement courses offered during III to VII semesters. Among the five skill courses, four courses shall focus on the basic and advanced skills related to the domain/interdisciplinary courses and the other shall be a soft skills course.

xii. Students shall undergo mandatory summer internships, for a minimum of eight weeks duration at the end of the second and third year of the programme. The internship at the end of second year shall be community oriented and industry internship at the end of third year.

xiii. There shall also be mandatory full internship in the final semester of the programme along with the project work.

xiv. An undergraduate degree with Minors & Honors is introduced by the College for the students having good academic record.

xv. College shall take measures to implement Virtual Labs (https://www.vlab.co.in) which provide remote access to labs in various disciplines of Engineering and will help student in learning basic and advancedconcept through remote experimentation. Students shall be made to work on virtual lab experiments during the regular labs.

xvi. Each Department shall assign a faculty advisor/mentor after admission to a group ofstudents from same department to provide guidance in courses registration/career growth/placements/opportunities for higher studies/GATE/other competitive exams etc.

xvii. Preferably 25% of course work for the theory courses in every semester shallbe conducted in the blended mode of learning.

10   Evaluation Process

The performance of a student in each semester shall be evaluated course-wise with a maximum of 100 marks for theory and 100 marks for practical course. Summer Internships shall be evaluated for 50 marks, Full Internship & Project work in final semester shall be evaluated for 200 marks, mandatory courses with no credits shall be evaluated internally for 30 marks.

A student has to secure not less than 35% of marks in the Semester end examination and a minimum of 40% of marks in the sum total of the internal evaluation and Semester end examination marks taken together for the theory, practical, design, drawing course or project etc. In case of a mandatory course, he/she should secure 40% of the total internal marks.

THEORY COUSES

Evaluation Process	Marks
Continuous Internal Evaluation	30
Semester End Examination	70
Total	100

i.   For theory courses and practical courses, the distribution shall be 30 marks for Continuous Internal Evaluation and 70marks for the Semester End Examination.

ii. If any course contains two different branch courses, the syllabus shall be written intwo parts with 3 units each (Part-A and Part-B) and Semester end examination question paper shall be set with two parts each for 35 marks.

iii. If any course is having both theory and practical components, they will be evaluated separately as theory course and practical course. However, they will be given same course code.

a. **Continuous Internal Evaluation**

i) For theory courses, during the semester, there shall be two internal examinations. Each internal examination shall be evaluated for 30 marks of which 10 marks for objective paper (20 minutes duration), 15 marks for subjective paper (90 minutes duration) and 5 marks for assignment.

ii) Objective paper shall contain for 05 short answer questions with 2 marks each OR maximum of 20 bits for 10 marks. Subjective paper shall contain 3 either or type questions (totally six questions) of which student has to answer one from each either-or type of questions. Each question carries 5 marks.

Note:

- The objective paper shall be prepared in line with the quality of competitive examinations questions.
- The subjective paper shall contain 3 either or type questions of equal weightage of 5 marks. Any fraction shall be rounded off to the next higher mark.
- The objective paper shall be conducted in online / offline mode on the day of subjective paper test.
- Assignments shall be in the form of problems, mini projects, design problems, slip tests, quizzes etc., depending on the course content. It should be continuous assessment throughout the semester and the average marks shall be considered.

iii) If the student is absent for the internal examination, no re-exam shall be conducted.

iv) The first internal examination shall be conducted for I, II and half of the III unit syllabus with one either or type question from each unit. The second internal examination shall be conducted for remaining half of the syllabus from III unit, IV and V units with one either or type question from each unit.

v) Final internal marks shall be arrived at by considering the marks secured by the student in both the internal examinations with 80% weightage given to the better internal exam and 20% to the other.

> For Example:
> Marks obtained in first internal exam: 25
> Marks obtained in second internal exam: 20
> Final internal Marks: (25x0.8) + (20x0.2) = 24

b. **End Examination Evaluation:**

End examination of theory courses shall have the following pattern:

i)   There shall be 11 questions in which first question is compulsory and from questions 2 to 11 there shall be two questions from each unit with internal choice.

ii) Question 1 shall contain 10 compulsory short answer questions, two from each unit for a total of 20 marks such that each question carries 2 marks.

iii) From questions 2 to 11, each question carries 10 marks. Student shall answer one question from each unit.

End examination of theory courses consisting of two parts of different courses, for Example: Basic Electrical &Electronics Engineering shall have the following pattern:

i)   The question paper shall be in two parts viz., Part A and Part B with equal weightage of 35marks each.

ii) In each part, question 1 shall contain 5 compulsory short answer questions for a total of 5 marks such that each question carries 1mark.

iii) In each part, questions from 2 to 7, there shall be two questions from each unit with internal choice for10 marks each. Students shall answer any one of them.

PRACTICAL COURSES

Evaluation Process	Marks
Continuous Internal Evaluation	30
Semester End Examination	70
Total	100

a) For practical courses, there shall be a continuous evaluation during the semester for 30 internal marks and the end examination shall be for 70 marks.

b) Day-to-day work in the laboratory shall be evaluated for 15 marks by the concerned laboratory teacher based on the regularity/record/viva and 15 marks for the internal test.

c) The end examination shall be evaluated for 70 marks, conducted by the concerned laboratory teacher and a senior expert in the course from the same department.

- Procedure: 20 marks
- Experimental work & Results: 30 marks
- Viva voce: 20 marks.

In a practical course consisting of two parts (Eg: Basic Electrical &Electronics Engineering Lab), the end examination shall be conducted for 70 marks as a single laboratory in 3 hours. Internal examination shall be evaluated for 30 marks in each part, and final internal marks shall be arrived by considering the average of marks obtained in two parts.

d) For the course having design and/or drawing, such as Engineering Drawing / Graphics, the distribution of marks shall be 30 for Continuous Internal Evaluation and 70 for Semester end examination.

Evaluation Process	Marks
Continuous Internal Evaluation	30
Semester End Examination	70
Total	100

Day-to-day work shall be evaluated for 15 marks by the concerned course teacher based on the reports/submissions prepared in the class. And there shall be two internal examinations in a semester for duration of 90 Minutes each for 15 marks with weightage of 80% to better internal exam marks and 20% for the other. The subjective paper shall contain 3 either or type questions of equal weightage of 5 marks. There shall be no objective paper in internal examinations. The sum of day-to-day evaluation and the internal exam marks will be the final internal marks for the course.

The end examination pattern for Engineering Drawing / Graphics shall consists of 5 questions, either/or type, of 14 marks each. There shall be no short answer questions in the end examination. However, the end examination pattern for other courses related to design/drawing, multiple branches, etc is mentioned along with the syllabus.

e) There shall be no external examination for mandatory courses with zero credits. However, attendance shall be considered while calculating aggregate attendance and student shall be declared to have passed the mandatory course only when he/she secures 40% or more in the internal examinations. In case the student fails, a re-examination shall be conducted for failed candidates for 30 marks satisfying the conditions mentioned in item 2 & 3 of the regulations.

f) The laboratory records and internal exam test papers shall be preserved for a minimum of 3 years in the respective Departments as per the College/University norms and shall be produced to the Committees of the College/University as and when the same are asked for.

Revaluation: A student can request for Revaluation of his/her answer book on payment of a prescribed fee as per College norms.

Note: Revaluation applicable for Semester End Examinations (SEE) of Theory Courses only.

Third valuation: If the difference between the First valuation and Revaluation is more than 20% of the marks, then those scripts will be sent for Third valuation.

11. **Skill Enhancement Courses**

   i) There shall be five skill enhancement courses offered during III to VII semesters.

   ii) Out of the five skill enhancement courses two shall be from the same domain. The remaining three skill enhancement courses, one shall be a soft skill course and the remaining two shall be skill-advanced courses from the same domain/Interdisciplinary/Job oriented.

   iii) The course shall carry 100 marks and shall be evaluated through continuous assessments during the semester for 30 internal marks and end examination shall be for 70 marks. Day-to-day work in the class / laboratory shall be evaluated for 30 marks by the concerned teacher based on the regularity/assignments/viva/internal exam. The end examination is similar to practical examination pattern shall be conducted by the concerned teacher and an expert in the course nominated by the Controller of Examinations/principal.

   iv) The student shall be given an option to choose either the skill enhancement courses being offered by the college or to choose a certificate course being offered by industries/Professional bodies or any other accredited bodies. If a student chooses to take a Certificate Course offered by external agencies, the credits shall be awarded to the student upon producing the Course Completion Certificate from the agency. A committee shall be formed at the level of the Department/College to evaluate the grades/marks given for a course by external agencies and convert to the equivalent marks/grades.

   v) The recommended courses offered by external agencies, conversions and appropriate grades/marks are to be approved by the College/University at the beginning of the semester. The HOD of the respective Department shall forward such proposals to the Board of Studies/Academic Council for approval.

   vi) If a student prefers to take a certificate course offered by external agency, the concerned department shall mark attendance of the student for the remaining courses in that semester excluding the skill course in all the calculations of mandatory attendance requirements upon producing a valid certificate as approved by the College.

12 **Massive Open Online Courses (MOOCs):**

A Student has to pursue and complete one course compulsorily through MOOCs approved by the concerned Board of Studies. A student can pursue courses other than core through MOOCs and it is mandatory to complete one course successfully through MOOCs for awarding the degree. A student is not permitted to register and pursue core courses through MOOCs.

A student shall register for the course (Minimum of either 8 weeks or 12 weeks) offered through MOOCs with the approval of Head of the Department. The Head of the Department shall appoint one mentor to monitor the student's progression. The student needs to earn a certificate by passing the exam. The student shall be awarded the credits assigned in the curriculum only by submission of the certificate. The examination fee, if any, will be borne by the student.

Students who have qualified in the proctored examinations conducted through MOOCs platform can apply for credit transfer as specified and are exempted from appearing internal as well as external examination (for the specified equivalent credit course only) conducted by the College.

Necessary amendments in rules and regulations regarding adoption of MOOC courses would be proposed from time to time.

13   Credit Transfer Policy

Adoption of MOOCs is mandatory, to enable Blended model of teaching-learning as also envisaged in the NEP 2020. As per University Grants Commission (CreditFramework for Online Learning Courses through SWAYAM) Regulation, 2016, the Institution shall allow up to a maximum of 20% of the total courses being offered in aparticular programme i.e., maximum of 32 credits through MOOCs platform.

i)   The College shall offer credit mobility for MOOCs and give the equivalent credit weightage to the students for the credits earned through online learningcourses.

ii)   Student registration for the MOOCs shall be only through the respective department of the institution, it is mandatory for the student to share necessary information with the department.

iii)   The credit transfer policy will be applicable to the Professional & Open Elective courses only.

iv)   The concerned department shall identify the courses permitted for credit transfer.

v)   The Institution/ Department shall notify at the beginning of semester the list of the online learning courses eligible for credit transfer.

vi)   The Institution/ Department shall designate a faculty member as a Mentor for each course to guide the students from registration till completion of the credit course.

vii)   The Institution shall ensure no overlap of MOOC exams with that of the College examination schedule. In case of delay in results, the Institution will re-issue the marks sheet for such students.

viii)   Students pursuing courses under MOOCs shall acquire the required credits only after successful completion of the course and submitting a certificate issued by the competent authority along with the percentage of marks and grades.

ix)   The concerned Departments shall submit the following to the confidential Section of the Institution:

     a)   List of students who have passed MOOC courses in the current semester along with the certificate of completion.

     b)   Undertaking form filled by the students for credit transfer.

x)   The Institution/university shall resolve any issues that may arise in the implementation of this policy from time to time and shall review its credit transfer policy in the light of periodic changes brought by UGC, SWAYAM, NPTEL and state government.

Note: Students shall be permitted to register for MOOCs offered through online platforms approved by the Department/ Institution from time to time.

14   Academic Bank of Credits (ABC)

The Institution has implemented Academic Bank of Credits (ABC) to promote flexibility in curriculum as per NEP 2020 to

i.   provide option of mobility for learners across the institutions/universities of their choice

ii.   provide option to gain the credits through MOOCs from approved digitalplatforms.

iii.   facilitate award of certificate/diploma/degree in line with the accumulated credits in ABC execute Multiple Entry and Exit system with credit count, credit transfer andcredit acceptance from students' account.

15   Mandatory Internships

Summer Internships

Two summer internships either onsite or virtual, each with a minimum of 08 weeks duration, done at the end of second and third years, respectively are mandatory. It shall be completed in

collaboration with local industries, Govt. Organizations, construction agencies, Power projects, software MNCs or any industries in the areas of concerned specialization of the Undergraduate program. One of the two summer internships at theend of second year (Community Service Project) shall be society oriented and shall be completed in collaboration with government organizations/NGOs & others. The other internship at the end of third year is Industry Internship and shall be completed in collaboration with Industries. The student shall register for the internship as per course structure after commencement of academic year. The guidelines issued by the APSCHE/ University/ Institute shall be followed for carrying out and evaluation of Community Service Project and Industry Internship.

Evaluation of the summer internships shall be through the departmental committee. A student will be required to submit a summer internship report to the concerned department and appear for an oral presentation before the departmental committee comprising of Head of the Department, supervisor of the internship and a senior facultymember of the department. A certificate of successful completion from industry shall be included in the report. The report and the oral presentation shall be evaluated for 50 marks. A student shall secure a minimum of 40% marks for successful completion. In case, if a student fails, he/she shall reappear as and when semester supplementary examinations are conducted by the Institution.

16 Full Semester Internship and Project work:

In the final semester, the student should mandatorily register and undergo internship (onsite/virtual) and in parallel he/she should work on a project with well-defined objectives. At the end of the semester the candidate shall submit an internship completion certificate and a project report. A student shall also be permitted to submitproject report on the work carried out during the internship.

The project report shall be evaluated by an external examiner. The total marks for project work are 200 marks and distribution shall be 60 marks for internal and 140 marks for external evaluation. The supervisor assesses the student for 30 marks (Report: 15 marks, Seminar: 15 marks). At the end of the semester, all projects shall be showcasedat the department for the benefit of all students and staff and the same is to be evaluatedby the departmental Project Review Committee consisting of supervisor, a senior   faculty and HOD for 30 marks. The external evaluation of Project Work is a Viva-Voce Examination conducted in the presence of internal examiner and external examiner appointed by the Institution and is evaluated for 140 marks.

The concerned Department shall facilitate and monitor the student internship programs. Completion of internships is mandatory, if any student fails to complete internship, he/she will not be eligible for the award of degree. In such cases, the student shall repeat and complete the internship.

17 Evaluation Procedure for Design Thinking and Innovation (L-T-P-C) (1-0-2-2):

The performance of a student **for Design Thinking and Innovation course** shall be evaluated with a maximum of 100 marks.

A student has to secure not less than 35% of marks in the end examination and a minimum of 40% of marks in the sum total of the Internal Assessment and Semester end examination marks taken together.

Assessment Method	Marks
Internal Assessment	30
Semester End Examination	70
Total	**100**

The distribution shall be <u>30 marks for Internal Evaluation</u> and <u>70 marks for the Semester End-Examination</u>.

a) **Internal Evaluation Procedure**

i) **Of the internal marks of 30, Day to Day Evaluation in the lab will be given a maximum of 7.5 Marks (25%) and Internal Assessment (theory), a maximum of 22.5 Marks (75%).**

ii) During the semester, there shall be two Internal Assessment examinations. Each Internal Assessment examination shall be evaluated for 30 marks of which <u>10 marks</u> for <u>objective paper</u> (20 minutes duration), <u>15 marks for subjective paper</u> (90 minutes duration) and 5 marks for assignment. **30 Marks will be scaled down to 22.5 Marks.**

    a. <u>Objective paper</u> shall contain 5 short answer questions with 2 marks each OR maximum of 20 bits for <u>10 marks.</u>

    b. <u>Subjective paper shall contain 3 questions of internal choice</u> (i.e., either-or type questions of which student has to answer one from each either-or type of questions, each question carries 10 marks. The marks obtained in the subjective paper are condensed to 15 marks.

    c. 5 marks for assignment

Note:

- The subjective paper shall contain 3 either-or type questions of equal weightage of 10 marks. Any fraction shall be rounded off to the next higher mark.
- Assignments shall be in the form of problems, mini projects, design problems, slip tests, quizzes etc., depending on the course content. It should be continuous assessment throughout the semester and the average marks shall be considered.

iii) If the student is absent for the Internal Assessment examination, no re-exam shall be conducted and Internal Assessment marks for that examination shall be considered as zero.

iv) The first internal Assessment examination shall be conducted for I, II and half of the III unit syllabus with one either or type question from each unit. The second internal Assessment examination shall be conducted for remaining half of the syllabus from III unit, IV and V units with one either or type question from each unit.

v) Final Internal Assessment examination marks shall be arrived by considering the marks secured by the student in both the Internal Assessment examinations with 80% weightage given to the better Internal Assessment and 20% to the other.

vi) If the student is absent for any one Internal Assessment examination, the final Internal Assessment marks shall be arrived by considering 80% weightage to the marks secured by the student in the appeared examination and zero to the other.

b) **End Examination (Only Practical's) Evaluation:**

The end examination shall be evaluated for <u>70 marks,</u> conducted by the concerned laboratory teacher and a senior expert in the Course from the same department

nominated by the Head of the Department.

- Procedure: 20 marks
- Experimental work & Results: 30 marks
- Viva voce: 20 marks.

18 Attendance Requirements:

i. A student shall be eligible to appear for the external examinations if he/she acquires a minimum of 40% attendance in each course and 75% of attendance in aggregate of all the courses.   Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester may be granted by the College Academic Committee.

ii. Shortage of Attendance below 65% in aggregate shall in NO CASE be condoned.

iii. A stipulated fee shall be payable towards condonation of shortage of attendanceto the College.

iv. Students whose shortage of attendance is not condoned in any semester are noteligible to take their end examination of that class and their registration shall stand cancelled.

v. A student will not be promoted to the next semester unless he satisfies the attendance requirements of the present semester. They may seek readmission for that semester from the date of commencement of class work.

vi. If any candidate fulfils the attendance requirement in the present semester, he shall not be eligible for readmission into the same class.

vii. If the learning is carried out in blended mode (both offline & online), then the total attendance of the student shall be calculated considering the offline and online attendance of the student.

viii. For induction programme attendance shall be maintained as per AICTEnorms.

19 Promotion Rules:

The following academic requirements must be satisfied in addition to the attendance requirements mentioned in the above section.

i. A student shall be promoted from first year to second year if he/she fulfils the minimum attendance requirement as per Institution norms.

ii. A student will be promoted from II to III year if he/she fulfils the minimum attendance requirement and academic requirement of securing 40% of the credits (any *decimal* fraction should be *rounded off* to *lower* digit) up to in the courses that have been studied up to IV Semester.

iii. A student shall be promoted from III year to IV year if he/she fulfils the minimum attendance requirement and academic requirements of securing 40% of the credits (any *decimal* fraction shouldbe *rounded off* to *lower* digit) in the courses that have been studied up to VI semester. And in case a student is detained for want of credits for a particular academic year by ii) & iii) above, the student may make up the credits through supplementary examinations and only after securing the required credits he/she shall be permitted to join in the V semester or VII semester respectively as the case may be.

iv. When a student is detained due to lack of credits/shortage of attendance he/she may be re-admitted when the semester is offered after fulfilment of academic regulations. In such case, he/she shall be in the academic regulations into which he/she is readmitted.

20 Grading:

As a measure of the student's performance, a 10-point Absolute Grading System using the

following Letter Grades and corresponding percentage of marks shall be followed:

After each course is evaluated for 100 marks, the marks obtained in each course will be converted to a corresponding letter grade as given below, depending on the range in which the marks obtained by the student fall.

21   Structure of Grading of Academic Performance

Range in which the marksin the course fall	Grade	Grade points Assigned
90 & above	S (Superior)	10
80 - 89	A (Excellent)	9
70 - 79	B (Very Good)	8
60 - 69	C (Good)	7
50 - 59	D (Average)	6
40 - 49	E (Pass)	5
< 40	F (Fail)	0
Absent	Ab (Absent)	0

i)   A student obtaining Grade 'F' or Grade 'Ab' in a course shall be considered failed andwill be required to reappear for that course when it is offered the next supplementary examination.

ii) For non-credit audit courses, "Satisfactory" or "Unsatisfactory" shall be indicatedinstead of the letter grade and this will not be counted for the computation of SGPA/CGPA/Percentage.
Computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):
The Semester Grade Point Average (SGPA) is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken bya student and the sum of the number of credits of all the courses undergone by a student,i.e.,

$$\text{SGPA} = \Sigma\ (C_i \times G_i)/\Sigma\ C_i$$

where, C_i is the number of credits of the ith course and G_i is the grade point scored by the student in the ith course.

The Cumulative Grade Point Average (CGPA) will be computed in the same manner considering all the courses undergone by a student over all the semesters of a program,i.e.,

$$\text{CGPA} = \Sigma\ (C_i \times S_i)/\ \Sigma\ C_i$$

where "S_i" is the SGPA of the ith semester and C_i is the total number of credits up to that semester.

Both SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts. While computing the SGPA the courses in which the student is awarded Zero grade points will also be included.

Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale.

Letter Grade: It is an index of the performance of students in a said course. Grades aredenoted by the letters S, A, B, C, D and F.

22 Award of Class:

After a student has satisfied the requirements prescribed for the completion of the program and is eligible for the award of B. Tech. Degree, he/she shall be placed in oneof the following four classes:

Class Awarded	CGPA Secured
First Class with Distinction	≥ 7.5 (Without any supplementary appearance)
First Class	$\geq 6.5 < 7.5$
Second Class	$\geq 5.5 < 6.5$
Pass Class	$\geq 5.0 < 5.5$

Note: * Students who have written supplementary examinations to fulfil the creditrequirement will not be awarded First Class with Distinction. For such students thehighest degree that is awarded will be First Class Only.

CGPA to Percentage conversion Formula – (CGPA – 0.5) x 10

With–holding of Results

If the candidate has any dues not paid to the Institution or if any case of indiscipline or malpractice is pending against him/her, the result of the candidate shall be withheld in suchcases.

23 Multiple Entry / Exit Option

a. Exit Policy:

The students can choose to exit the four-year programme at the end of first/second/thirdyear.

i) **UG Certificate in (Field of study/discipline)** - Programme duration: First year (first two semesters) of the undergraduate programme, 40 credits followed by an additional exit 10-credit bridge course(s) lasting two months, including at least 6- credit job-specific internship/ apprenticeship that would help the candidates acquirejob-ready competencies required to enter the workforce.

ii) **UG Diploma (in Field of study/discipline)** - Programme duration: First two years (first four semesters) of the undergraduate programme, 80 credits followed by an additional exit 10-credit bridge course(s) lasting two months, including at least 6- credit job-specific internship/ apprenticeship that would help the candidates acquirejob-ready competencies required to enter the workforce.

iii) **Bachelor of Science (in Field of study/discipline)** i.e., **B.Sc. Engineering in (Field of study/discipline)**- Programme duration: First three years (first six semesters) of the undergraduate programme, 120 credits.

b. Entry Policy:

Modalities on multiple entry by the student into the B.Tech. programme will be provided in due course of time.

Note: The Institute/Universities shall resolve any issues that may arise in the implementation of Multiple Entry and Exit policies from time to time and shall review the policies in the light of periodic changes brought by UGC, AICTE and State government.

24 Gap Year Concept:

Gap year concept for Student Entrepreneur in Residence is introduced and outstanding students who wish to pursue entrepreneurship / become entrepreneur are allowed to take a break of one year at any time after II year to pursue full-time entrepreneurship programme/to establish startups. This period may be extended to two years at the most and these two years would not be counted for the time for the maximum time for graduation. The principal shall forward such proposals submitted by the students to the University. An evaluation committee constituted by the University shall evaluate the proposal submitted by the student and the committee shall decide whether to permit the student(s) to avail the Gap Year or not

25 Transitory Regulations

Discontinued, detained, or failed candidates are eligible for readmission as and when the semester is offered after fulfilment of academic regulations. Candidates who have been detained for want of attendance or not fulfilled academic requirements or who have failed after having undergone the course in earlier regulations or have discontinued and wish to continue the course are eligible for admission into the unfinished semester from the date of commencement of class work with the same or equivalent courses as and when courses are offered, subject to Section 2 and they will follow the academic regulations into which they are readmitted.

Candidates who are permitted to avail Gap Year shall be eligible for re-joining into the succeeding year of their B. Tech from the date of commencement of class work, subject to Section **2** and they will follow the academic regulations into which they are readmitted.

26 Minimum Instruction Days for a Semester:

The minimum instruction days including exams for each semester shall be 90 days.

27 Medium of Instruction:

The medium of instruction of the entire B. Tech undergraduate programme in Engineering &Technology (including examinations and project reports) will be in English only.

28 Student Transfers:

Student transfers shall be as per the guidelines issued by the Government of Andhra Pradesh and the Universities from time to time.

29 General Instructions:

a. The academic regulations should be read as a whole for purpose of any interpretation.
b. Malpractices rules-nature and punishments are appended.
c. Where the words "he", "him", "his", occur in the regulations, they also include "she", "her", "hers", respectively.
d. In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Principal is final.
e. The Institute may change or amend the academic regulations or syllabi at any time and the changes or amendments shall be made applicable to all the students on rolls with effect from the dates notified by the institute.

ACADEMIC REGULATIONS (R23) FOR B.TECH. (LATERAL ENTRY SCHEME)

*(Effective for the students getting admitted into II year through Lateral Entry Schemefrom the Academic Year **2024-2025** onwards)*

1. **Award of the Degree**

    a. **Award of the B.Tech. Degree** if he/she fulfils the following:

    i. Pursues a programme of study for not less than three academic years and not more than six academic years. However, for the students availing Gapyear facility this period shall be extended by two years at the most and these two years would in addition to the maximum period permitted forgraduation (Six years).

    ii. Registers for 120 credits and secures all 120 credits.

    b. **Award of B. Tech. (Honor) / B. Tech. (Minor):** B. Tech. with Honors or a B. Tech. with a Minors will be awarded if the student earns 18 additional credits acquired as per the regulations/guidelines. The regulations/guidelines are separately provided. Registering for Honors/Minors is optional.

2. Students who fail to fulfil the requirement for the award of the degree within <u>six</u> consecutive academic years from the year of admission, shall forfeit their seat.

3. **Minimum Academic Requirements**

    The following academic requirements have to be satisfied in addition to the requirements mentioned in item no.2

    i. A student shall be deemed to have satisfied the minimum academic requirements and earned the credits allotted to each theory, practical, design, drawing course orproject if he secures not less than 35% of marks in the end examination and a minimum of 40% of marks in the sum total of the mid semester evaluation and endexamination taken together.

    ii. A student shall be promoted from III year to IV year if he/she fulfils the minimum attendance requirement and academic requirements of securing 40% of the credits (any decimal fraction should berounded off to lower digit) in the courses that have been studied up to VI semester.

    And in case if student is already detained for want of credits for particular academic year, the student may make up the credits through supplementary exams of the above exams before the commencement of IV year I semester class work of next year.

4. **Course Pattern**

    i. The entire course of study is three academic years on semester pattern.

    ii. A student eligible to appear for the end examination in a course but absent at it or has failed in the end examination may appear for that course at the next supplementary examination offered.

    iii. When a student is detained due to lack of credits/shortage of attendance the student may be re-admitted when the semester is offered after fulfilment of academic regulations, the student shall be in the academic regulations into which he/she is readmitted.

5. All the other regulations as applicable to **B. Tech. Four-year degree course (Regular) wil hold good for B. Tech. (Lateral Entry Scheme).**

<h1 style="color:red; text-align:center">COMMUNITY SERVICE PROJECT GUIDELINES (R23)</h1>

<h2 style="text-align:center">For B.Tech. FOUR YEAR DEGREE PROGRAMMES</h2>

<h3 style="text-align:center">(Applicable for the batches admitted from 2023-24)</h3>

(summer internship at the end of second year (Community Service Project) shall be society oriented and shall be completed in collaboration with government organizations / NGOs & others.)

INTRODUCTION

1. Community Service Project is an experiential learning strategy that integrates meaningful community service with instruction, participation, learning and community development

2. Community Service Project involves students in community development and service activities and applies the experience to personal and academic development.

3. Community Service Project is meant to link the community with the college for mutual benefit. The community will be benefited with the focused contribution of the college students for the village/ local development. The college finds an opportunity to develop social sensibility and responsibility among students and also emerge as a socially responsible institution.

OBJECTIVE

Community Service Project should be an integral part of the curriculum, as an alternative to the 2 months of Summer Internships / Apprenticeships / On the Job Training, whenever there is an exigency when students cannot pursue their summer internships. The specific objectives are:

1. To sensitize the students to the living conditions of the people who are around them,
2. To help students to realize the stark realities of the society.
3. To bring about an attitudinal change in the students and help them to develop societal consciousness, sensibility, responsibility and accountability
4. To make students aware of their inner strength and help them to find new /out of box solutions to the social problems.
5. To make students socially responsible citizens who are sensitive to the needs of the disadvantaged sections.
6. To help students to initiate developmental activities in the community in coordination with public and government authorities.
7. To develop a holistic life perspective among the students by making them study culture, traditions, habits, lifestyles, resource utilization, wastages and its management, social problems, public administration system and the roles and responsibilities of different persons across different social systems.

IMPLIMENTATION OF COMMUNITY SERVICE PROJECT

1. Every student should put in a minimum of 120 hours for the Community Service Project during the summer vacation.
2. Each class/section should be assigned with a mentor.
3. Specific Departments could concentrate on their major areas of concern. For example, Dept. of Computer Science can take up activities related to Computer Literacy to different sections of people like - youth, women, house-wives, etc
4. A log book has to be maintained by each of the student, where the activities undertaken/involved to be recorded.
5. The log book has to be countersigned by the concerned mentor/faculty in charge.
6. Evaluation to be done based on the active participation of the student and grade could be awarded by the mentor/faculty member.

7. The final evaluation to be reflected in the grade memo of the student.
8. The Community Service Project should be different from the regular programmes of NSS/NCC/Green Corps/Red Ribbon Club, etc.
9. Minor project report should be submitted by each student. An internal Viva shall also be conducted by a committee constituted by the principal of the college.
10. Award of marks shall be made as per the guidelines of Internship/apprentice/ on the job training

PROCEDURE

1. A group of students or even a single student could be assigned for a particular habitation or village or municipal ward, as far as possible, in the near vicinity of their place of stay, so as to enable them to commute from their residence and return back by evening or so.
2. The Community Service Project is a twofold one –
   a) First, the student/s could conduct a survey of the habitation, if necessary, in terms of their own domain or subject area. Or it can even be a general survey, incorporating all the different areas. A common survey format could be designed. This should not be viewed as a duplication of work by the Village or Ward volunteers, rather, it could be another primary source of data.
   b) Secondly, the student/s could take up a social activity, concerning their domain or subject area. The different areas, could be like –
      - Agriculture
      - Health
      - Marketing and Cooperation
      - Animal Husbandry
      - Horticulture
      - Fisheries
      - Sericulture
      - Revenue and Survey
      - Natural Disaster Management
      - Irrigation
      - Law & Order
      - Excise and Prohibition
      - Mines and Geology
      - Energy
      - Internet
      - Free Electricity
      - Drinking Water

EXPECTED OUTCOMES:

BENEFITS OF COMMUNITY SERVICE PROJECT TO STUDENTS

Learning Outcomes:

1. Positive impact on students' academic learning.
2. Improves students' ability to apply what they have learned in "the real world".
3. Positive impact on academic outcomes such as demonstrated complexity of understanding, problem analysis, problem-solving, critical thinking, and cognitive development.
4. Improved ability to understand complexity and ambiguity

Personal Outcomes

1. Greater sense of personal efficacy, personal identity, spiritual growth, andmoral development
2. Greater interpersonal development, particularly the ability to work well with others, and build leadership and communication skills

Social Outcomes

1. Reduced stereotypes and greater inter-cultural understanding
2. Improved social responsibility and citizenship skills
3. Greater involvement in community service after graduation

Career Development

1. Connections with professionals and community members for learning andcareer opportunities
2. Greater academic learning, leadership skills, and personal efficacy can lead togreater opportunity.

Relationship with the Institution

1. Stronger relationships with faculty
2. Greater satisfaction with college
3. Improved graduation rates

BENEFITS OF COMMUNITY SERVICE PROJECT TO FACULTY MEMBERS

1. Satisfaction with the quality of student learning
2. New avenues for research and publication via new relationships between faculty and community
3. Providing networking opportunities with engaged faculty in other disciplines orinstitutions
4. A stronger commitment to one's research

BENEFITS OF COMMUNITY SERVICE PROJECT TO COLLEGES AND UNIVERSITIES

1. Improved institutional commitment
2. Improved student retention
3. Enhanced community relations

BENEFITS OF COMMUNITY SERVICE PROJECT TO COMMUNITY

1. Satisfaction with student participation
2. Valuable human resources needed to achieve community goals
3. New energy, enthusiasm and perspectives applied to community work
4. Enhanced community-university relations.

SUGGESTIVE LIST OF PROGRAMMES UNDER COMMUNITY SERVICE PROJECT

The following the recommended list of projects for Engineering students. The lists are not exhaustive and open for additions, deletions and modifications. Colleges are expected to focus on specific local issues for this kind of projects. The students are expected to carry out these projects with involvement, commitment, responsibility and accountability. The mentors of a group of students should take the responsibility of motivating, facilitating, and guiding the students. They have to interact with local leadership and people and appraise the objectives and benefits of this kind of projects. The project reports shall be placed in the college website for reference. Systematic, Factual, methodical and honest reporting shall be ensured.

For Engineering Students

1. Water facilities and drinking water availability
2. Health and hygiene
3. Stress levels and coping mechanisms
4. Health intervention programmes
5. Horticulture
6. Herbal plants
7. Botanical survey
8. Zoological survey
9. Marine products
10. Aqua culture
11. Inland fisheries
12. Animals and species
13. Nutrition
14. Traditional health care methods
15. Food habits
16. Air pollution
17. Water pollution
18. Plantation
19. Soil protection
20. Renewable energy
21. Plant diseases
22. Yoga awareness and practice
23. Health care awareness programmes and their impact
24. Use of chemicals on fruits and vegetables
25. Organic farming
26. Crop rotation
27. Floury culture
28. Access to safe drinking water
29. Geographical survey
30. Geological survey
31. Sericulture
32. Study of species
33. Food adulteration
34. Incidence of Diabetes and other chronic diseases
35. Human genetics
36. Blood groups and blood levels
37. Internet Usage in Villages
38. Android Phone usage by different people
39. Utilization of free electricity to farmers and related issues
40. Gender ration in schooling level- observation.

Complementing the community service project, the students may be involved to take up some awareness campaigns on social issues/special groups. The suggestedlist of programmes are:
Programmes for School Children

1. Reading Skill Programme (Reading Competition)
2. Preparation of Study Materials for the next class.
3. Personality / Leadership Development

4. Career Guidance for X class students
5. Screening Documentary and other educational films
6. Awareness Programme on Good Touch and Bad Touch (Sexual abuse)
7. Awareness Programme on Socially relevant themes.

Programmes for Women Empowerment
1. Government Guidelines and Policy Guidelines
2. Womens' Rights
3. Domestic Violence
4. Prevention and Control of Cancer
5. Promotion of Social Entrepreneurship

General Camps
1. General Medical camps
2. Eye Camps
3. Dental Camps
4. Importance of protected drinking water
5. ODF awareness camp
6. Swatch Bharat
7. AIDS awareness camp
8. Anti Plastic Awareness
9. Programmes on Environment
10. Health and Hygiene
11. Hand wash programmes
12. Commemoration and Celebration of important days

Programmes for Youth Empowerment
1. Leadership
2. Anti-alcoholism and Drug addiction
3. Anti-tobacco
4. Awareness on Competitive Examinations
5. Personality Development

Common Programmes
1. Awareness on RTI
2. Health intervention programmes
3. Yoga
4. Tree plantation
5. Programmes in consonance with the Govt. Departments like –
   • Agriculture
   • Health
   • Marketing and Cooperation
   • Animal Husbandry
   • Horticulture
   • Fisheries
   • Sericulture
   • Revenue and Survey
   • Natural Disaster Management
   • Irrigation
   • Law & Order
   • Excise and Prohibition
   • Mines and Geology
   • Energy

Role of Students:

1. Students may not have the expertise to conduct all the programmes on theirown. The students then can play a facilitator role.
2. For conducting special camps like Health related, they will be coordinating with the Governmental agencies.
3. As and when required the College faculty themselves act as Resource Persons.
4. Students can work in close association with Non-Governmental Organizations like Lions Club, Rotary Club, etc or with any NGO actively working in that habitation.
5. And also, with the Governmental Departments. If the programme is rolled out, the District Administration could be roped in for the successful deployment of the programme.
6. An in-house training and induction programme could be arranged for the faculty and participating students, to expose them to the methodology of Service Learning.

TIMELINE FOR COMMUNITY SERVICE PROJECT ACTIVITY

Duration: 8 weeks

1. Preliminary Survey (Two Weeks)

a) A preliminary survey including the socio-economic conditions of the allotted habitationto be conducted.
b) A survey form based on the type of habitation to be prepared before visiting the habitation with the help of social sciences faculty. (However, a template could be designed for different habitations, rural/urban.
c) The Governmental agencies, like revenue administration, corporation and municipal authorities and village secretariats could be aligned for the survey.

2. Community Awareness Campaigns (One week)

Based on the survey and the specific requirements of the habitation, different awareness campaigns and programmes to be conducted, spread over two weeks of time. The list of activities suggested could be taken into consideration.

3. Community Immersion Programme (Four Weeks)

Along with the Community Awareness Programmes, the student batch can also work with any one of the below listed governmental agencies and work in tandem with them. This community involvement programme will involve the students in exposing themselves to the experiential learning about the community and its dynamics. Programmes could be in consonance with the Govt. Departments.

4. Community Exit Report (One Week)

During the last week of the Community Service Project, a detailed report of the outcome of the 8 weeks works to be drafted and a copy shall be submitted to the localadministration. This report will be a basis for the next batch of students visiting that particular habitation. The same report submitted to the teacher-mentor will be evaluated by the mentor and suitable marks are awarded for onward submission to the University.

Throughout the Community Service Project, a daily log-book need to be maintained by the students batch, which should be countersigned by the governmental agency representative and the teacher-mentor, who is required to periodically visit the students and guide them.

ASSESSMENT METHODOLOGY FOR COMMUNITY SERVICE PROJECT

Learning outcomes:

- To facilitate an understanding of the issues that confronts the vulnerable/ marginalized sections of the society.

- To initiate team processes with the student groups for societal change.

- To provide students an opportunity to familiarize themselves with urban/ rural community they live in.

- To enable students to engage in the development of the community.

- To plan activities based on the focused groups.

- To know the ways of transforming the society through systematic programme implementation.

The following is the evaluation methodology for awarding marks/grades:

There will be only internal evaluation for this internship. Each faculty member is to be assigned with 10 to 15 students depending upon availability of the faculty members. The faculty member will act as a faculty-mentor for the group and is in-charge for the learning activities of the students and also for the comprehensive and continuous assessment of the students.

The assessment is to be conducted for 50 marks. The number of credits assigned is 2. Later as per the present practice the marks are converted into grades and grade points to include finally in the SGPA and CGPA.

Each student is required to maintain an individual logbook, where he/she is supposed to record day to day activities. The project log is assessed on an individual basis, thus allowing for individual members within groups to be assessed this way. The assessment will take into consideration the individual student's involvement in the assigned work. While grading the student's performance using the student's log, the following should be taken into account:

a) The individual student's effort and commitment
b) The originality and quality of the work produced by the individual student.
c) The student's integration and co-operation with the work assigned
d) The completeness of the Log book.

The assessment for the *Community Service Project implementation* shall include the following components and based on the entries of Project Log and Project Report:.

a. Orientation to the community development
b. Conducting a baseline assessment of development needs
c. Number and Quality of Awareness Programmes organised on beneficiary programmes and improvement in quality of life, environment and social consciousness, motivation and leadership, personality development, etc.
d. Number and Quality of Intervention Programmes (Prevention or promotion programs that aim to promote behavioural change in defined community contexts to address social problems) organised.

e. Follow-up Programmes suggested (Referral Services, Bringing Community Participation)
f. Developing short and mid-term action plans in consultation with local leadership and local government officers.

The **Project Presentation** is to be made by the student after he/she reports back to the College. The components for assessment are–

a. Assessing the involvement in the project
b. Presentation skills
c. Final outcome of the project as evince by the student

MODEL OF THE PROJECT REPORT

PART–A

1. Introduction:
• About the Village/Habitation.
2. Socio-Economic Survey of the Village/Habitation.
• Data collection using prescribed formats.
3. Problems identified and Analyses of the problems.
4. Short-term and long term action plan for possible solutions for the problems identified and that could be recommended to the concerned authorities for implementation.
5. Community awareness programmes conducted w.r.t the problems and their outcomes.

PART-B

A mini-project work in the related subject w.r.t the habitation/village.

(For example, a student of Botany may do a project on Organic Farming or Horticulture or usage of bio fertilisers or biopesticides or effect of the inorganic pesticides, etc. Astudent of Zoology may do a project on Aquaculture practices or animal husbandry or poultry or health and hygiene or Blood group analysis or survey on the Hypertension or survey on the prevalence of diabetes, etc.)

PART-C

1. Recommendations and conclusions.
2. References

EVALUATION

• Evaluation of the Community Service Project / summer internships shall be through the departmental committee.
• A student will be required to submit a Community Service Project / summer internship report to the concerned department and appear for an oral presentation before the departmental committee comprising of Head of the Department, supervisor (Faculty mentor) of the internship and a senior faculty member of the department.
• A certificate of successful completion from industry shall be included in the report. It shall be evaluated for 50 marks.
    Distribution of Marks
    Example :

Assessment Component	Max Marks	Marks Secured
1.ProjectLog	10	7
2.Project Implementation	15	11
3.ProjectReport	15	10
4.Presentation & Viva-Voce	10	6
TOTAL	**50**	**36**

- A student shall secure a minimum of 40% of marks for successful completion. In case, if a student fails, he/she shall reappear as and when semester supplementary examinations are conducted by the Institution.

MALPRACTICES RULES

DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

Practices/Improper conduct		punishment
If the candidate:		
1.	(a) Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
	(b) Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that Semester/year. The Hall Ticket of the candidate is to be cancelled and sent to the Confidential Section.
3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate, who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals 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 end semester examinations. The

		continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all end semester examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6.	Refuses to obey the orders of the Chief Superintendent/Assistant – Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer in- charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have)already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.

7.	Intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all end semester examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat.
9.	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the college expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.

11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/year examinations.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the Principal for further action to award suitable punishment.	

Ragging

Prohibition of Ragging in Educational Institutions Act 26 of 1997

Salient Features

⇒ Ragging within or outside any educational institution is prohibited.

⇒ Ragging means doing an act which causes or is likely to cause Insult or Annoyance of Fear or Apprehension or Threat or Intimidation or outrage of modesty or Injury to a student

	Imprisonment upto		Fine Upto
Teasing, Embarrassing and Humiliation	6 Months	+	Rs. 1,000/-
Assaulting or Using Criminal force or Criminal Intimidation	1 Year	+	Rs. 2,000/-
Wrongfully restraining or confining or causing hurt	2 Years	+	Rs. 5,000/-
Causing grievous hurt, kidnapping or Abducts or rape or committing unnatural offence	5 Years	+	Rs. 10,000/-
Causing death or abetting suicide	10 Months	+	Rs. 50,000/-

IN CASE OF ANY EMERGENCY CALL: 9490629574

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