

ACADEMIC REGULATIONS(R16) FOR M.TECH PROGRAMME
UNDER AUTONOMOUS STATUS
(With Effect from The Admitted Batch Of 2016-17)

I. Admissions:

Admission into first year of M.Tech Programme of the Institution will be as per the norms stipulated by Andhra University & Andhra Pradesh State Council for Higher Education (APSCHE), Govt. of Andhra Pradesh.

II. Programmes Offered:

The following are the M.Tech. Programmes offered by the Institution.

1. Structural Engineering (Civil Engineering)
2. Computer Science & Technology (Computer Science & Engineering)
3. Power Systems & Automation (Electrical & Electronics Engineering)
4. Communication Systems (Electronics & Communication Engineering)
5. Information Technology (Information Technology)
6. CAD/CAM (Mechanical Engineering)

III. Structure of the M. Tech. Programme:

The complete programme is distributed over four semesters with two semesters per academic year. Every branch of M.Tech programme will have a curriculum and syllabi for the courses recommended by the Board of Studies (BOS) and approved by the Academic Council. The academic programmes of the Institution follow the credit system. The curriculum of M.Tech programmes is designed to have a total number of credits as specified by BOS of the concerned department to get the degree awarded.

IV. Duration of the Programme:

The duration of the programme is two academic years consisting of two semesters in each academic year. A student is permitted to complete the programme in a stipulated time frame of 4 consecutive academic years from the date of initial admission.

V. Medium of Instruction:

The medium of instruction and examination is English.

VI. Minimum Instruction Days:

Each semester normally consists of a minimum of 16 weeks of instruction.

VII. Academic Calendar:

The dates of all important events, such as commencement of class work, examinations, vacations, etc., during the academic year will be specified in the Academic Calendar of the Institution, as approved by the Academic Council.

VIII. Attendance Regulations

Attendance of a student is computed by considering total number of periods conducted in all courses as the denominator and the total number of periods actually attended by the student in all courses, as the numerator. It is desirable for a student to put in 100% attendance in all the subjects. However, a candidate shall be permitted to appear for the semester end examination provided he maintains a minimum of 75% overall attendance in that semester.

The shortage of attendance on medical grounds can be condoned up to a maximum of 9% provided the student attains at least 66% attendance and the Principal is satisfied with the genuineness of the reasons. The Medical Certificate is to be submitted to the Head of the Department when the candidate reports to the classes immediately after the absence. Condonation fee as fixed by the college for those whose attendance is between $\geq 66\%$ and $<75\%$ shall be charged before the semester-end examinations.

In the case of students who participate in co-curricular, extra-curricular activities like student seminars, N.S.S, N.C.C, Inter-collegiate tournaments and any such other activities involving the representation of the Institution, with the prior approval of the Principal, the candidate may be deemed to have attended the classes during the actual period of such activity, solely for the purpose of attendance.

A student, who could not satisfy the minimum attendance requirement of 66% in any semester, shall be declared 'Detained'. He is not eligible to appear for the semester

end examinations. He will not be promoted to the next semester and shall have to repeat that semester with the next batch(es) of students. Such students, who are detained and seek readmission, should submit an undertaking/a declaration that they will abide by the regulations existing at the time of readmission.

IX. Examinations & Evaluation Process:

The examinations for the M. Tech Degree shall be conducted as per the prescribed Schemes in all the branches of study offered by S.R.K.R. Engineering College (Autonomous).

(A) Theory Course:

For all theory courses, the assessment shall be for 30 marks through internal evaluation and 70 marks through external semester-end examination of three hours duration. The candidate is required to obtain a minimum of 28 marks out of 70 in the semester end examination.

i) Internal evaluation:

The sessional marks shall be awarded through internal evaluation by the teachers concerned based on the continuous assessment which includes class tests, quiz, viva-voce, assignments, student regularity, two mid-examinations etc., according to a scheme notified by the department at the beginning of the semester.

Out of the 30 internal marks, 15 marks are assigned for internal-mid exams, 5 marks for assignments, 5 marks for projects/ case studies /quiz/tests and 5 marks for attendance. The better of 2 internal-mid exams is considered for the 15 marks allocated.

There is no minimum sessional mark in each subject.

ii) External evaluation:

The question paper shall be set externally and the answer scripts are valued through a double valuation system.

The better of the two valuations will be taken for the award of marks. In case, the difference of the marks obtained in the two valuations is more than 20%, and then a third examiner shall value the script. Out of the three valuations, the average of marks obtained in third valuation and the marks obtained nearer to third valuation out

of first two valuations shall be considered. No revaluation/ challenge valuation for any subject/course shall be entertained as already double valuation system is in existence. However, recounting is allowed on the request of the candidate on payment of specified fee.

(B) Laboratory Course:

Laboratory course will be evaluated for 100 marks, out of which 50 marks are for external examination and 50 marks are for internal evaluation. Out of the 50 internal evaluation marks, 25 marks are assigned for internal lab examination, 10 marks for record work, 10 marks are awarded based on continuous assessment and 5 marks for attendance. The external examination will be conducted by two examiners, one of them being laboratory class teacher as internal examiner (nominated by the Principal on recommendation of HOD) and an external examiner nominated by the Principal from the panel of experts recommended by the HOD.

Candidates shall be required to produce complete and certified records of the work done by them in each of the practical subjects at the time of semester end practical examination, failing which they will not be allowed for such examination.

(C) Seminar:

The seminar is evaluated as per the prescribed Scheme of the concerned Department.

(D) Project Work :

The viva voce examination on the dissertation or project or thesis shall be conducted by a board of minimum four examiners consisting of

1. The Head of the Department as Chairman
2. PG Coordinator of the respective Department
3. Internal Guide and External Guide (if any)
4. External examiner nominated by principal

The valuation of the dissertation, project or thesis shall be as provided in the scheme of examination of each course.

If a student fails in the project, he has to appear for reassessment for which he has to pay the re-examination fee.

Although credits are allotted for Thesis Review/Viva voce Examination they will not be taken for calculation of CGPA.

(E) There is no provision for improvement for sessional marks alone. However if the candidate wants to improve the sessional marks, the candidate has to seek readmission for all subjects in that particular semester.

X. Award of Grades:

The Marks thus obtained will be converted to grades on a 10.0 point scale and then to semester grade point average (SGPA) and subsequently cumulative grade point average (CGPA) is awarded at the end of the course

S.No.	Range of Marks (%)	Grade	Grade Points	Description
01	> 90 ≤100	O	10	Outstanding
02	> 80 ≤ 90	A+	9	Excellent
03	> 70 ≤ 80	A	8	Very Good
04	> 60 ≤ 70	B+	7	Good
05	> 55 ≤ 60	B	6	Above Average
06	≥ 50 ≤ 55	C	5	Average
07	≥ 40 < 50	P	4	Pass
08	< 40	F	0	Fail
09		F	0	(Ab)Absent

Cumulative Grade Point Average (CGPA) will be calculated from II semester onwards up to the final semester. CGPA multiplied by “10” gives aggregate percentage of marks obtained by a candidate.

The performance of a student at the end of the each semester is indicated in terms of Semester Grade Point Average (SGPA). The SGPA is calculated as below:

$$SGPA = \frac{\sum (\text{Credits of a course} \times \text{Grade points awarded for a course})}{\sum (\text{Credits of a course})}$$

SGPA is calculated for the candidates who have passed in all the courses in that semester.

CGPA calculation is similar to that of SGPA, considering all the courses offered from the first semester onwards.

CGPA is calculated for those who clear all the courses in all the previous semesters.

XI. Award of Degree:

A candidate shall be declared to have passed in a subject / paper, if the candidate secures a minimum of 'P' grade in theory examination and a minimum of 'C' grade in Practical examination / Project / Field Work / Viva-Voce / Industrial Training / Seminar.

Further, a candidate has to secure a minimum of 40% in theory examination (excluding sessional marks) and a minimum of 50% (excluding sessional marks) in the practical examination / Project / Field Work / Viva-Voce / Industrial Training / Seminar in Semester-end examinations.

A) Betterment :

A candidate can avail the betterment chances during the validity of all the courses.

There shall be no grace marks

XII. Award Of Class:

A candidate, who becomes eligible for the award of M.Tech.Degree, shall be placed in one of the following classes.

S.No.	Class	CGPA
1	First Class with Distinction	CGPA \geq 7.0 *
2	First Class	6.0 \leq CGPA < 7.0
3	Second Class	5.0 \leq CGPA < 6.0
	Pass Class	4.0 \leq CGPA < 5.0

***First class with Distinction will be awarded only to those students who clear all the subjects of the program in first attempt of regular examinations.**

The CGPA can be converted to percentage by multiplying CGPA with 10.0, in case of requirement by any other University or any other purpose.

XIII. Eligibility for Award of M.Tech. Degree:

A student shall be eligible for the award of the M.Tech degree if he fulfills all the following conditions:

- 1) The student is declared to have passed all the subjects (theory and practical subjects) included in the Scheme of Examination of 4 semesters .
- 2) Registered and successfully completed all the components prescribed for eligibility in the Programme of study to which candidate is admitted within the stipulated period,
- 3) No disciplinary action is pending against him
- 4) Has no dues to the Institution including hostels.
- 5) Students, who fail to complete their M.Tech. Programme within four academic years from the year of their admission or fail to acquire the credits stipulated for the programme shall forfeit their seat in M.Tech. Programme and their admission shall stand cancelled.

XIV. Malpractices:

The Controller of Examinations/Dean of Examinations shall refer the cases of suspected malpractices in mid examinations and semester-end examinations to Malpractice Enquiry Committee constituted by the Institution. 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.

XV. Amendments to Regulations:

The Institution may, from time to time, revise, amend, or change the Regulations, Schemes of Examinations, and / or Syllabi and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the Institution.

XVI. General:

- (i) Where the words 'he', 'him', 'his', occur in the regulations, they include 'she', 'her', 'hers'.**
- (ii) The academic regulation should be read as a whole for the purpose of any interpretation.**
- (iii) In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Principal is final.**