



## GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Autonomous)  
RAJAHMUNDRY-533 296, AP

### GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (BACHELOR OF TECHNOLOGY) ACADEMIC REGULATIONS, 2019

Rajahmundry, the 29th July, 2019

These regulations may be called Godavari Institute of Engineering & Technology (Bachelor of Technology) Academic Regulations, 2019, hereinafter referred to as GIET Academic Regulations (B.Tech.) 2019 or in short GRBT-19.

#### **RBT 1.0 TITLE & DURATION OF THE PROGRAMME**

##### **1.1 Title of the Programmes**

The programmes shall be called the degree programme in Bachelor of Technology, abbreviated as B.Tech.

##### **1.2 Duration**

- a) **Minimum duration:** The programme shall be of four years duration having eight semesters for regular entry and three years duration having six semesters for lateral entry students (diploma holders admitted directly in second year). Each semester shall be of 16 weeks excluding examinations. The academic calendar of the programme shall be fixed by the Institute from time to time.
- b) **Maximum duration:** The maximum time frame for completion of the programme for regular students is eight years from the admitted academic year.

The maximum time frame for completion of the programme for lateral entry students is six academic years from the admitted academic year.

Notwithstanding those students who are not able to complete the programme within the above period shall forfeit their admission into the programme and their admission shall stand cancelled.

Provided that those students who have completed the course work but have pending theory/hybrid backlog courses and need additional time, shall be provided two more academic years of time after which the admission shall stand cancelled. Fee should be 30 percent of all semesters lapsed after completion of maximum duration of the programme.

### 1.3 **Applicability of the Regulations**

The GRBT-19 shall be applicable to all degree programmes in Bachelor of Technology admitted in the academic year 2019-20 onwards.

## **RBT 2.0 GENERAL**

### 2.1 **Definitions**

*Academic Council:* A statutory body constituted by the Institute for overseeing the academic matters directly and indirectly related to smooth running of all programmes of the Institute. Chaired by the Head of the Institute and abbreviated as AC.

*APSCHE:* Andhra Pradesh State Council for Higher Education is the authority looking after the policy planning, implementation and quality of all higher educational institute in the state of Andhra Pradesh.

*Affiliating University:* The Jawaharlal Nehru Technological University, Kakinada, hereinafter referred to as JNTUK or University, is the state technological university to which the Institute is affiliated to.

*Branch of study:* Various disciplines, domains or sectors of study in engineering such as mechanical engineering, civil engineering, etc.

*Board of Studies:* A committee of experts belonging to a particular branch of study. Abbreviated as BoS and is chaired by a senior faculty member, say a professor, usually by the head of the department.

*External assessment:* Individual or set of assessments carried out by external faculty members, primarily consisting of Semester End Examination (SEE), Final review of major project work, etc.

*Faculty Advisor/Class Counsellor:* means, the Faculty Advisor or the Panel of Faculty Advisors, in a Parent Department, for a group (admission-batch) of students. Also known as Class Counsellor.

*Internal assessment:* Set of assessments carried out by faculty members of the Institute, primarily consisting of Mid Semester Examination (MSE) [Subjective type], MSE [Objective type], Assignments, Reviews, Seminars, Mini Projects, etc.

*Lateral Entry scheme:* Aspirants who passed diploma in engineering seeking admission directly into second year of bachelor's programme in engineering come into the lateral entry scheme. Abbreviated as LE.

*Programme:* An organized duration of study in a particular level of knowledge leading to a degree, for instance, a bachelor's programme, a master's programme, doctoral programme, etc. It can be in areas like arts, science, engineering, and so on and can run yearly, half yearly (or semester) or tri-semester wise.

*Parent Department:* means the department that offers the degree programme that a student undergoes. Also called Degree Awarding Department.

*Project Guide:* means the faculty member who guides the Major Project of the student.

*SBTE:* State Board of Technical Education is the authority regulating diploma level institutions in engineering within the state. Every state has one such regulatory body.

- 2.2 The terms "he", "him", or "his" are used to include all genders of students.
- 2.3 The academic regulation should be read as a whole for the purpose of any interpretation.
- 2.4 In the case of any doubt or ambiguity in the interpretation of the provisions of this Regulation, the decision of the Chairman, AC shall be final.
- 2.5 The Institute may change or amend the academic regulations or syllabi at any time and the changes or amendments made therein shall be applicable to all the students with effect from the dates notified by the Institute.
- 2.6 Medium of instruction of the programmes shall be English.
- 2.7 The provisions contained in this set of Regulations govern the policies and procedures, on the imparting of instructions of courses, conducting of the examinations, and evaluation and certification of students' performance leading to the said Degree Programme.
- 2.8 This set of Regulations may evolve and get revised/refined or updated or amended or modified or changed through approvals from the Academic Council from time to time, and shall be binding on all parties concerned, including the Students, Faculty, Staff, Departments, Institute Authorities and offices.
- 2.9 In order to guarantee fairness and justice to all the stake holders concerned, in view of the periodic evolutionary refinements, any specific issues or matters of concern shall be addressed separately, by the AC and/or GB, as and when found necessary.

- 2.10 The AC may consider any issues or matters of concern relating to any or all the Academic Activities of the Institute, for appropriate action, irrespective of whether a reference is made (or the nature and extent of any reference if so present) here in this set of Regulations or otherwise.

### **RBT 3.0 QUALIFICATION FOR ADMISSION**

- 3.1 Admissions shall be done as per the norms fixed by Government of Andhra Pradesh from time to time.
- 3.2 The qualifying examination shall be the Board of Intermediate Examination of Andhra Pradesh or its equivalent.
- 3.3 For admission under Lateral Entry category (diploma holders or others admitted directly into second year through specific admission criteria as decided by the APSCH) the qualifying examination shall be the Engineering diploma examinations conducted by the SBTE, Andhra Pradesh or its equivalent.
- 3.4 A limited number of admissions may be offered to Foreign Nationals and Indians living abroad in accordance with the rules applicable for such admission.
- 3.5 If, at any time after admission, it is found that a candidate had not in fact fulfilled all the requirements stipulated in the offer of admission, in any form whatsoever, including possible misinformation, etc., the matter will be reported to the AC, recommending revoking the admission of the candidate.
- 3.6 The Institute reserves the right to cancel the admission of any student at any stage of his study programme in the Institute on the grounds of unsatisfactory academic performance or indiscipline or any misconduct.
- 3.7 Student exchange programmes and the transfer of credits in such cases will be as per the corresponding Memorandum of Understanding (MoU) approved by AC.
- 3.8 The decisions of the AC regarding the admissions are final and binding.

### **RBT 4.0 BRANCHES OF STUDY**

- 4.1 The following branches of study are offered as specializations for the B.Tech.

S. No.	Branch Code	Abbr.	Branch
01	01	CE	Civil Engineering
02	02	EEE	Electrical & Electronics Engineering
03	03	ME	Mechanical Engineering
04	04	ECE	Electronics & Communication Engineering

S. No.	Branch Code	Abbr.	Branch
05	05	CSE	Computer Science & Engineering
06	24	AME	Automobile Engineering
07	26	MM	Mining Engineering
08	And any other course approved by authorities from time to time and appended to the list		

### **RBT 5.0 STRUCTURE OF THE PROGRAMME**

- 5.1 Based on the type of courses, each course shall normally be assigned certain number of credits/ marks. Every course comprises of specific Lecture-Tutorial-Practical (L-T-P) Schedule. General guidelines are as follows:

Credits	Course description	Maximum marks
3 credits	4 (3+1) Theory course periods per week	100 marks
1.5 credits	3 Laboratory periods per week	100 marks
2 credits	Internship/mini project-II /training	100 marks
2 credits	Mini project I	100 marks
9 credits	Project work	200 marks
1 credit	Audit /Add-on courses	100 marks
4 credits	Hybrid courses (courses with 25% theory content and 75% practical content)	100 marks

Specific credits have already been stated clearly in the programme structure indicating the credits against each course.

- 5.2 The BoS will recommend the exact credits offered for the programme for the above components, the semester-wise distribution among them, as well as the syllabi of all undergraduate courses offered by the department from time to time before sending the same to the AC for consideration and approval.

### **RBT 6.0 DISTRIBUTION / WEIGHATAGE OF MARKS & MODE OF EVALUATION**

- 6.1 Almost all the courses shall have an internal assessment component where the evaluation shall be done by faculty members of the Institute. Evaluation of the semester end component shall be done by faculty members of other institutions or a suitable combination of examiners from this Institute and other institutions. The credits and marks are as specified in programme structure.

## 6.2 Theory courses - 3 Credits - 100 Marks

The theory course syllabus shall be divided into 5 units and total marks that can be awarded shall be 100. The internal assessment component shall be for 30 marks and the semester end component shall be of 70 marks.

- i. **The award of 30 marks for internal assessment shall be done as follows:** (MSE [Subjective type] - 20 marks, MSE [Objective type] - 5 marks, Assignments - 5 marks)
  - a. There shall be two MSEs. The first MSE shall be for Units 1 to 2 and second MSE shall be for Units 3 to 5. Question paper for each MSE shall consist of a descriptive part and an objective part.
  - b. There shall be two written descriptive internal assessment tests (MSEs) for 20 marks each termed as MID1 and MID2. The tests shall be of 90 minutes duration and shall consist of i) 2 essay questions (with internal choice) carrying 7 marks each and ii) 5 short answer questions from which 3 are to be answered, carrying 2 marks each. There shall also be two objective internal assessments for 5 marks each for every theory course in all semesters. The tests shall be of 10 minutes duration and shall consist of 10 questions which shall be compulsory.
  - c. The higher marks of the two MSEs for any course shall be given a weightage of 80% and the other a weightage of 20%. The marks are accordingly reduced/proportionate to 25.
  - d. There shall be a minimum of 5 assignments per semester with a minimum of 2 classroom assignments and 3 home assignments. Assignments shall carry 5 marks.
  - e. The MSEs weighted average marks reduced to 25 shall be added to the marks obtained in assignments to obtain the maximum total mark in theory for the internal assessment.
  - f. In the case of courses like Engineering Drawing, out of the 30 marks for internal assessment 20 marks shall be allocated by continuous evaluation of the day to day work. The remaining 10 marks shall be awarded by conducting two subjective MSEs of 10 marks each. The better marks of these two MSEs shall be given a weightage of 80% and the other a weightage of 20%. The marks are reduced to 10.
  - g. The marks distribution for internals and externals is - 30% for internal assessments and 70% for external assessments in case of theory courses. 50% each for Internals and Externals for all the Practical/ Workshops etc., For the practical part of the Hybrid courses the internal assessment rules of practical will hold good and for the theory part of the Hybrid course the internal assessment rules of theory papers will hold good.
  - h. The passing minimum in SEE for theory is 35% and 40% overall.
- ii. **The award of 70 marks for external assessment shall be done as follows:**
  - a. There shall be a descriptive written examination of 3 hours duration for 70 marks covering all the 5 units of the syllabus. Question paper for this examination shall be prepared externally by paper setters from the panel of paper setters recommended by the Chairperson of the BoS. The evaluation of the answer scripts shall be done externally by evaluators belonging to University colleges, Autonomous colleges or by evaluators recommended by the Chairpersons of BoS.

- b. The number of units in each course are limited to 5 (Five) (with limitations for the courses for Building Design/ Machine Drawing, etc.) covering the required syllabus. Question papers under GRBT-19 shall be made with the model set of one question from each unit to be answered compulsorily from all five units but a choice shall be provided with-in the questions in the form of either/or method.

### 6.3 **Practical - 2 credits - 100 marks**

Practical(s) shall be evaluated for 100 marks out of which 50 marks shall be for continuous internal assessment and the remaining 50 marks shall be for summative assessment.

- i. Award of 50 marks for internal assessment shall be done as follows:
  - a. A maximum of 25 marks shall be assigned by continuous evaluation for the best 10, day to day experimental work.
  - b. A maximum of 25 marks shall be awarded by conducting an internal practical examination at the end of the semester. There shall be two examiners for the internal examination. One shall be the faculty member concerned and the other shall be an internal faculty member nominated by the HoD.
- ii. The SEE shall be conducted by the teacher concerned and another examiner nominated by HoD/Principal.
- iii. The passing minimum in SEE for practical is 50% in SEE and 50% overall.

### 6.4 **Hybrid Courses - 3 credits - 100 Marks**

- a. A standard theory course of a branch is replaced by a hybrid course.
- b. In a hybrid course syllabus 25% is theory and 75% is practical.
- c. Evaluation is done separately for theory and practical.
- d. For the theory part and laboratory/practical part of the Hybrid courses, the internal assessment rules of theory and practical respectively will be:
  - 1) **Theory part:** Out of 30 marks of Theory, 10 marks are for internal assessment and 20 marks are for SEE. The internal assessment examination will be conducted for 30 marks like any other theory course and the final marks obtained will be reduced to 10. The SEE will be held for 100 marks and the marks obtained will be reduced to 20.
  - 2) **Practical part:** Out of 70 marks for practical, 30 marks are allotted for internal assessment and 40 marks are allotted for SEE. The internal assessment component will be evaluated for 30 marks. The SEE component will be evaluated for 80 marks and the marks obtained will be reduced to 40.
- e. The passing minimum for theory in SEE is 35% and for practical is 50%. If a student fails to secure the minimum pass requirement either in theory or practical (refer rule RBT 9 below) both the theory and practical part are to be repeated.

6.5 **Mini Project I/ Study project - 2 credits - 100 Marks**

Mini Project / Study Project carrying 2 credits shall be done during summer vacation after II Year II semester and will be evaluated for 100 marks by the Departmental Committee consisting of HoD, mini project supervisor and a senior faculty member. There shall be no external examination for mini project.

6.6 **Mini project II/Summer internship/ Summer training - 2 credits - 100 Marks**

Summer internship/ Summer training of minimum 3 weeks duration carrying 2 credits shall be done during summer vacation after III Year II semester and will be evaluated in accordance to the rubrics for 100 marks by the Departmental Committee consisting of HoD, Summer internship/ Summer training supervisor and a senior faculty member.

Internships shall be conducted at large industrial complexes and exposes the students to real-life situations. Students may also carry out internships at various production and manufacturing units, design, development and consulting agencies, national laboratories, R&D centers, etc. The students solve real-life problems of interest to the host organizations. The professional expert acts as a consultant while resident faculty member of the department supervises the work.

Evaluation is continuous and through seminar presentation. There shall be no external examination for Summer internship/ Summer Training project. The components of evaluation are invariably reports, certifications and seminars and the complete details will be worked out by the BoS in the form of rubrics. Also attention is paid to certain aspects which do not surface in the conventional class room situation like professional judgment, decision-making ability, team spirit, etc.

6.7 **Add on courses/Audit courses**

1 credit for specific Audit / Add on courses with a maximum of 100 marks and are compulsory to get the award of the degree and are detailed in structure and syllabus. There shall be no external examination for add-on/audit courses.

6.8 **Seminars**

Specific credits were given for seminar in the respective programme structure based on the rubrics. Respective programme structure for the branch may be referred for further information. There shall be no external examination for seminars.



## 6.9 Project Work – 9 credits - 200 Marks

Out of a total of 200 Marks for the project work, 80 marks shall be for internal valuation and 120 marks shall be for the semester end evaluation. The project work shall be spread across both Semester VII and Semester VIII but shown in Semester VIII grade sheet. It shall be innovative in nature with adequate industry/ research orientation. A project batch shall comprise of not more than four students.

- i. **The award of 80 marks for internal evaluation shall be done as:**  
Two mid course reviews each semester based on a standardized rubric shall be conducted for 20 marks by a Project Review Committee (PRC) of which the project coordinator is a member.
- ii. **The award of 120 marks for external evaluation shall be done as:**  
External evaluation shall be done by a three member committee consisting of a) an external examiner nominated by the Principal, who may be from the panel of evaluators recommended by the BoS, b) HoD concerned, and c) the project coordinator, based on the comprehensive project report submitted by the candidate followed a viva-voce examination.

Provided that the student/student group shall prepare their project report in accordance with the guidelines issued on preparation of project reports.

Provided that the student/student group shall comply with the guidelines issued on acceptable levels of plagiarism since all final project reports are subjected to plagiarism checks.

## RBT 7.0 REGISTRATION OF COURSES

### 7.1 Registration of courses in each semester is mandatory, with following conditions:

- i) Every student after consulting his Faculty-Advisor is required to register for the approved courses with the HoD of parent department at the commencement of each semester on the days fixed for such registration as notified.
- ii) Mandatory Pre-Registration for Subsequent semester: In order to facilitate proper planning of the academic activities of a semester, it is essential for the students to declare their intent to register for a course well in advance, before the actual start of the academic session, through the process of Pre-Registration, which is mandatory for all those students of second or subsequent semesters who propose to deviate from recommended scheme of studies.
- iii) All students (other than the freshly admitted students) intending to register for the next semester are required to have completed the Pre-Registration, at least 10 days before the Last Day of Classes in the current semester. To facilitate this pre-registration, all teaching

departments shall announce the list of courses to be offered for the next higher semester, at least three weeks before the Last Day of Classes in the current semester.

- iv) A student found deficient in any area of knowledge/skill needed for programmes of study e.g. Communication Skill, Mathematics, etc. may be required to do suitable additional course(s) on audit basis which will not be shown on his Grade Card.
- v) Students who do not register on the day announced for the purpose may be permitted Late Registration up to the notified day on payment of late fee.
- vi) A student will be permitted to register in the next semester only if he fulfills the following conditions:
  - (a) Satisfied all the Academic Requirements to continue with the programme of study;
  - (b) Cleared all Institute, Library and Hostel dues and fines (if any) of the previous semester.
  - (c) Paid all required advance payments of the Institute and hostel for the current semester.
  - (d) Not been debarred from registering on any specific ground by the Institute.

## **RBT 8.0 ATTENDANCE REQUIREMENTS**

8.1 Attendance requirements are given appropriate weightage like academic requirements as hereunder:

- i) All students must attend all lecture, tutorial and practical classes in a course. The attendance will be counted course wise.
- ii) To account for approved leave of absence e.g. representing the Institute in sports, games or athletics, professional society activities, placement activities, NCC/NSS activities, etc. and/or any other such contingencies like medical emergencies, etc., the attendance requirement shall be considered on a base minimum of 75% of the classes scheduled in each semester subject to a maximum of 10 days in a semester.
- iii) A student shall be eligible to write the SEE if he acquires a minimum of 75% of attendance in aggregate of all the courses.
- iv) Condonation of shortage of attendance in aggregate up to 10% (attendance below 75% but 65% and above) in each semester may be condoned by the College Academic Committee (CAC). [The number of times condonation can be availed by a student shall be  $(n - 1)$  where  $n$  is the number of years of study of the programme]. A stipulated fee shall be payable towards condonation of shortage of attendance.
- v) Shortage of attendance below 65% in aggregate shall not be condoned and such students shall be detained in that semester.

- vi) A student who is short of attendance in any semester may seek re-admission into that semester when it is offered again but within one week from the date of commencement of class work of the new semester.
- vii) A student shall be promoted to next semester if he satisfies the a) attendance requirement of the present semester b) the credits requirements, if any and c) paid the SEE fee.
- viii) If any candidate fulfils the attendance requirement in the present semester, he shall not be eligible for re-admission into the same semester.

## 8.2 Leave of Absence

- i) If the period of leave is more than three days and less than 10 days, prior application for leave shall have to be submitted to the HoD concerned, with the recommendation of the Faculty-Advisor, stating fully the reasons for the leave requested, along with supporting documents.
- ii) If the period of leave is 10 days or more, prior application for leave shall have to be made to the In-charge of Academics with the recommendations of the Faculty-Advisor and HoD concerned stating fully the reasons for the leave requested, along with the supporting documents. The In-charge of Academics may, on receipt of such application, grant leave or reject the application.
- iii) It will be the responsibility of the student to intimate the Course Instructors, and also the In-charge of Academics as well as the Chief Warden of the hostel, if hosteller, regarding his absence before availing leave.
- iv) If a student fails to apply and get sanction for absence as in (i) and (ii) above, his parent/guardian may apply to the Principal with reasons duly recommended by the faculty advisor, HoD and In-charge of Academics and explain in person to the Principal the reasons for not applying in time. The Principal will consider on merit and decide to grant the leave or detain for that particular semester subject to any condition that he may like to impose. The decision of the Principal shall be final and binding.

## RBT 9.0 MINIMUM ACADEMIC REQUIREMENTS

- 9.1 The following academic requirements shall be satisfied by every student in addition to the attendance requirements mentioned under Rule RBT 8.0 above:
  - i. A student shall be deemed to have satisfied the minimum academic requirements in theory courses if he has earned the credits allotted to each theory course and secures not less than 25 marks out of 70 in SEE and a minimum of 40 % of marks in each theory course when the internal assessment marks and SEE marks are added together.
  - ii. A student shall be deemed to have satisfied the minimum academic requirements in practical courses if he has earned the credits allotted to each practical course by securing not less than 50% marks in SEE

practical examinations and a minimum of 50 % of marks in each practical course when the internal assessment marks and SEE marks are added together.

- iii. A student shall be deemed to have satisfied the minimum academic requirements in design /drawing /mini project/industry oriented mini project/ summer internship and project if he has earned the credits allotted to each of this course and secures not less than 40% marks in SEE, if any and a minimum of 40 % of marks in each course when the internal assessment marks and SEE marks are added together.
- iv. A student shall be promoted from 1st year to 2nd year if he fulfills the minimum attendance requirement.
- v. A student shall be promoted from 2nd year to 3rd year if he fulfills the academic requirement of 50% of the credits up to 2nd Year 2nd semester from all the examinations till date, whether or not the candidate took the examination and secures the prescribed minimum attendance in 2nd Year 2nd Semester (R – Regular, S – Supplementary).
- vi. A student shall be promoted from 3rd Year to 4th Year if he fulfills the academic requirement of 50% of the credits up to 3rd Year 2nd semester from all the examinations till date, whether or not the candidate took the examination and secures the prescribed minimum attendance in 3rd Year 2nd Semester. (R – Regular, S – Supplementary).
- vii. A regular B. Tech student shall register in all the 160 credits and earn all the 160 credits. Marks obtained in all the 160 credits shall be considered for the calculation of grade awarded. A lateral entry B.Tech student shall register from 2nd year 1st semester and shall complete all courses/ laboratory works as per the structure till 4th year 2nd semester and only 2nd year to 4th year credits/marks/grades obtained in all the 3 years (i.e. 2nd year through 4th year of the complete programme) amounting to 120 credits shall be considered for the calculation of grade awarded.

#### **RBT 10.0 AWARD OF GRADES AND B.Tech DEGREE**

- 10.1 A student (regular admission) shall be declared eligible for the award of the B. Tech. degree if he fulfills the following academic regulations:
  - a) Pursued a programme of study for not less than four academic years and not more than eight academic years.
  - b) Registered for 160 credits and secured 160 credits.
- 10.2 A student (LE admission) shall be declared eligible for the award of the B. Tech. degree if he fulfills the following academic regulations:
  - a) Pursued a programme of study for not less than three academic years and not more than six academic years.
  - b) Registered for all the courses from 2nd year 1st semester onwards and secured all the prescribed 120 credits from 2nd year 1st semester to 4th year 2nd semester as per the Programme Curriculum of GRBT-19 of respective branch of study.

### 10.3 Method of considering MOOC courses

A student is allowed to take MOOC courses in lieu of two professional elective courses in third and/or final year with following conditions:

- i. The course selected should be registered in pre-registration process (see clause ii of Rule RBT 7.1 above)
- ii. The course selected should be from the same domain of study
- iii. The course selected should have a weightage corresponding to credits of the theory/hybrid course whose substitute is sought

### 10.4 Method of awarding letter grade and grade points for a programme

A letter grade and grade point will be awarded to a student in each course based on performance as per grading system given below, subject to minimum Academic Regulations:

Theory/Drawing/Projects/ Summer internship (%) Total (Internal + External)	Laboratory (%)/ Workshop Total (Internal + External)	Grade Points	Letter Grade	Remark
Percentage of Marks $\geq 90$	Percentage of Marks $\geq 90$	10	O	OUTSTANDING
$\geq 80$ & $< 90$	$\geq 80$ & $< 90$	9	A+	EXCELLENT
$\geq 70$ & $< 80$	$\geq 70$ & $< 80$	8	A	VERY GOOD
$\geq 60$ & $< 70$	$\geq 60$ & $< 70$	7	B+	GOOD
$\geq 50$ & $< 60$	$\geq 50$ & $< 60$	6	B	AVERAGE
$\geq 40$ & $< 50$	-	5	P	PASS
$< 40$	$< 50$	F	F (Fail)	FAIL
Absent		Ab	Ab	ABSENT

### 10.5 Calculation of Grade Point Average (GPA) for a semester

The performance of each student at the end of the each semester is indicated in terms of GPA. The semester grade point average (SGPA) is calculated as below:

$$SGPA = \frac{\sum (CR \times GP)}{\sum CR}$$

where CR = Credits of a course

GP = Grade points awarded for a course

\* SGPA is calculated only for the candidates who passed all the courses in that year/semester.

### 10.6 Calculation of Cumulative Grade Point Average (CGPA) for entire programme

The CGPA is calculated as below:

$$\text{CGPA} = \frac{\sum (\text{CR} \times \text{GP})}{\sum \text{CR}} \quad (\text{for entire programme})$$

Where **CR** = Credits of a course

**GP** = Grade points awarded for a course

\* Method of calculation is similar for both SGPA and CGPA

\*\* CGPA is awarded to candidates who have no backlogs till that particular semester

10.7 The Student's Grade Card shall contain the letter grade for each registered course along with the SGPA at the end of the semester and the CGPA at the completion of the programme.

#### 10.8 Award of division

A student who has passed all the examinations and satisfied all the requirements prescribed for the programme shall be eligible for the award of B.Tech. Degree and he shall be placed in a grade / division as given below:

Sl. No.	CGPA range	Grade/Division awarded
a.	CGPA $\geq$ 7.5	Degree with Distinction (Subject to not having any 'Back-Log' or supplementary re-appearance in any of the subjects in any semester, else Degree with First Class)
b.	CGPA $\geq$ 6.5 and $<$ 7.5	Degree with First Class
c.	CGPA $\geq$ 5.5 and $<$ 6.5	Degree with Second Class
d.	CGPA $<$ 5.5	Degree with Pass Class

#### 10.10 Appeal/Re-evaluation of Marks

- i) The entire process of evaluation shall be transparent, and the Course Coordinator/Instructor shall explain to a student the marks he has awarded in various components of internal assessments.
- ii) In case of any grievance about the marks obtained in SEE, the student may apply for re-evaluation of marks in theory courses to the Examination Cell before the date in prescribed form.
- iii) The fee for such an appeal will be decided from time to time.
- iv) In case there is a difference of less than 15 percent of marks between first (or original) and re-evaluation, the highest would be taken up.
- v) In case there is a difference of 15 percent or more marks between first (or original) and re-evaluation, the matter would be taken up automatically for a third evaluation at no extra fee. In such an event and to avoid any bias, average of two nearest marks will be taken as the final marks.

#### RBT 11.0 MINIMUM INSTRUCTION DAYS

11.1 Minimum instruction days for each semester shall be 90 working days.

## 11.2 Academic Calendar

- i) Each academic year shall be divided into two semesters, each of 16 weeks duration, excluding evaluation.
- ii) The schedule of academic activities for a semester, including the dates of registration, MSE, SEE, inter-semester breaks, etc. shall be referred to as the Academic Calendar of the semester, which shall be prepared by the In-charge of Academics, tabled before the AC, and announced at least two weeks before the closing date of the previous semester.
- iii) The Academic Calendar must be strictly adhered to, and all other activities including co-curricular and/or extra-curricular activities must be scheduled so as not to interfere with the Curricular Activities as stipulated in the Academic Calendar.

## **RBT 12.0 WITHHOLDING OF RESULTS**

- 12.1 If the student has not paid the dues payable to the Institute or if any case of indiscipline is pending against him, the result of the student may be withheld. In addition, his degree may also be withheld.
- 12.2 Malpractice Rules as per Annexure I.

## **RBT 13.0 PROVISIONS FOR TRANSITORY CASES**

- 13.1 **Transitory provisions for students seeking re-admission into 2019 regulations (Detained due to shortage of attendance / lack of credits in earlier Regulations)**
  - i. Prior approval from affiliating university should be obtained before re-admission of a candidate on case to case basis through Transitory Regulations. Details such as re-admission sought into, course to course mapping, credit gaps, course work to close the credit gaps, any alternative courses in new regulation, etc. shall be submitted to affiliating university for seeking approval.
  - ii. The student has to continue the course work along with the regular students of the respective semester in which the student obtains re-admission.
  - iii. Substitute / compulsory courses shall be offered in place of courses that have already been studied by the student. The student has to register for those specific courses.
  - iv. The mode of internal evaluation (i.e., in-course assessments) and external evaluation (i.e. SEE) shall be on par with the regular students, i.e., the student has to follow the new mode of internal evaluation and the new question paper model for the SEE along with the regular students of the respective semester in which the student obtained re-admission.
  - v. For the courses studied under earlier Regulations but failed, the student has to appear, pass and acquire credits from the supplementary

- examinations with-in the time provided as per the Clause 1.2 of Rule RBT 1 above.
- vi. The promotion criteria based on attendance as well as credits shall be in accordance with the Regulations under which the student is re-admitted into the new Regulation specific to the new courses/ substitute courses in the new regulation of the Institute into which the student is admitted.
  - vii. Credits already awarded and approved as per new Regulation will be pro-rated in terms of new-credit system. To be eligible for the award of the degree, the student shall complete the attendance requirements and appear for the SEE in all the courses as per new Regulation, including the substitute/compulsory courses as prescribed in the transitory course structure and shall acquire at least the minimum of stipulated credits. If a student, in such exercise, crosses the said minimum number of credits, the lowest marks/grades scored will be excluded for calculating final grade.
  - viii. All other academic requirements shall be in accordance with the regulations under which the student was re-admitted.
  - ix. The decision of the affiliating university shall be final and binding on the transitory students on any clarification/ query/doubt.

#### **RBT 14.0 GAP YEAR**

##### **14.1 Provision for making use of gap year is extended to students with following conditions:**

- i. The student requiring such facility should approach Principal through HoD before going for such Internship/ Training in gap year and should take prior sanction from Principal in writing.
- ii. The said organization should be either of Public Sector Undertaking (PSU), Govt. Organization, National Research Laboratory, Multi-National Company (MNC) or Public Limited Company.
- iii. Student should secure minimum SGPA making him eligible for First Class as per prevalent Regulations either by Grade Point or Percentage System till the said completed years of study.
- iv. The student must not have been a "detained" candidate in any of the prior years.
- v. The student needs to pass all the courses till the previous academic year in order to be eligible for applying for gap year.
- vi. The gap year is restricted only to one academic year with-out interruption.
- vii. The gap year is not admissible for gainful employment.
- viii. The Principal should obtain necessary authorization in writing on case to case basis from affiliated university before providing such facility to any student.



## ANNEXURE I

**MALPRACTICES RULES  
DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS**

(Adopted from the Malpractice Rules of affiliating university JNTUK)

	<b>Nature of Malpractices/Improper conduct</b>	<b>Punishment</b>
	<i>If the candidate:</i>	
MPR 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 course 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 course of the examination)	Expulsion from the examination hall and cancellation of the performance in that course 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 course 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.
MPR 2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the course of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that course 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 courses of that semester.  The Hall Ticket of the candidate shall be cancelled.
MPR 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

	<b>Nature of Malpractices/Improper conduct</b>	<b>Punishment</b>
		original candidate, who has been impersonated, shall be cancelled in all the courses of the examination (including practical(s) and project work) already appeared and shall not be allowed to appear for examinations of the remaining courses of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all semester end examinations. Continuation of the programme 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.
MPR 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 course and all the other courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the courses of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all semester end examinations. Continuation of the programme by the candidate is subject to the academic regulations in connection with forfeiture of seat.
MPR 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 course.
MPR 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	In case of students of the Institute, they shall be expelled from examination halls and cancellation of their performance in that course and all other courses the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations

	<b>Nature of Malpractices/Improper conduct</b>	<b>Punishment</b>
	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 Institute 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.	of the courses of that semester/year. The candidates also are debarred and their seats forfeited. In case of outsiders, they will be handed over to the police and a police case is registered against them.
MPR 7.	Leaves the examination hall taking away answer script or 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 course 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 courses 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 programme by the candidate is subject to the academic regulations in connection with forfeiture of seat.
MPR 8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that course and all other courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the

	<b>Nature of Malpractices/Improper conduct</b>	<b>Punishment</b>
		courses of that semester/year. The candidate is also debarred and forfeits the seat.
MPR 9.	If student of the Institute, who is not a candidate for the particular examination or any person not connected with the Institute indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Expulsion from the examination hall and cancellation of the performance in that course and all other courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the courses of that semester/year. The candidate is also debarred and the seat forfeited. Person(s) who do not belong to the Institute will be handed over to police and a police case will be registered against them.
MPR 10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that course and all other courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the courses of that semester/year.
MPR 11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that course and all other courses the candidate has appeared including practical examinations and project work of that semester/year examinations.
MPR 12.	If any malpractice is detected which is not covered in the above Clauses MPR 1 to MPR 11 shall be reported to the Academic Council for further action to award suitable punishment.	