GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (Autonomous) RAJAHMUNDRY-533 296, AP

ACADEMIC REGULATION	ONS - B.Tech	(R-14)

RBT 1.0	TITLE & DURATION OF THE COURSE
1.1	The course shall be called the degree course in Bachelor of Technology, abbreviated as B.Tech.
1.2	The course shall be of four years duration having eight semesters. Each semester shall have a
	minimum of 90 working days. The academic calendar of the course shall be fixed by the institute
	from time to time.
1.3	The maximum time frame for completion of the course for regular students is Eight years from
	the date of joining the course.
	The maximum time frame for completion of the course for lateral entry students (diploma holders
	admitted in second year) is Six years from the date of joining the course.
	Those students who are not able to complete the course within the above period shall forfeit their
	admission in to the course and their admission shall stand cancelled.

RBT 2.0	QUALIFICATION FOR ADMISSION
2.1	Admissions shall be done as per the norms fixed by Government of Andhra Pradesh from time to
	time.
2.2	The qualifying examination shall be the Board of Intermediate examination of Andhra Pradesh or
	its equivalent.
2.3	For admission under Lateral Entry category (diploma holders admitted in second year) the
	qualifying examination shall be the Engineering diploma examinations conducted by the Board
	of Technical Education, Andhra Pradesh or its equivalent.

RBT 3.0	AWARD OF B.Tech DEGREE
3.1	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 course of study for not less than four academic years and not more than eight academic years.
	(b) Registered for 180 credits and secured 180 credits
	(c) Completed all the prescribed audit courses prescribed for the four years of study of regular students.
3.2	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 course of study for not less than three academic years and not more than six academic years.
	(b) Registered for 135 credits and secured 135 credits
	(c) Completed all the prescribed audit courses prescribed for the three years of study of Lateral Entry Students.

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ACADEMIC REGULATIONS - B.Tech (R-14)

RBT 4.0	COURSES OF STUDY		
4.1	The fo	The following courses of study are offered as specializations for the B.Tech Courses	
	S. No	Branch Code	Branch
	01	01-CE	Civil Engineering
	02	02-EEE	Electrical and Electronics Engineering
	03	03-ME	Mechanical Engineering
	04	04-ECE	Electronics and Communication Engineering
	05	05-CSE	Computer Science Engineering
	06	24-AME	Auto Mobile Engineering
	07	26-MM	Mining
	08	And any other	course approved by authorities from time to time

RBT 5.0	STRUCTURE OF THE PROGRAMME
5.1	i. The curriculum in the I Year first and second semesters shall be common to all B.Tech 'non
	circuit Branches' (CE, ME, AME & Mining).
	ii. The curriculum in I Year the first and second semesters shall be common to all B.Tech
	'Circuit Branches' (EEE, ECE, CSE).
	iii. From II year onwards the structure adopted by various branches may vary slightly, but will
	be as per a general pattern with a ceiling on maximum credits at 180.
5.2	Each course shall be normally assigned a certain number of credits/ Marks as follows.
	• 3 credits for 4(3+1) theory periods per week course papers - Maximum 100 marks
	• 2 credits for 3 laboratory periods per week – Maximum 100marks
	• 3 credit for summer internship /training with100 Marks
	• 2 credits for mini project/ with 100 marks
	• 9 credits for Project work with 200 Marks
	No credit for Audit courses

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 this college faculty and a semester end component for which the evaluation shall be done externally- by faculty of other institutions.
6.2	Theory papers- 3 Credits- 100 Marks
	The Theory paper syllabus shall be divided in to 6 units. For theory subjects the total marks awarded shall be 100. The internal assessment component shall be for 30 marks & the semester end component shall be 70 marks. i. The award of 30 marks for internal assessment shall be done as follows. (Subjective mid exam- 20 M, Objective Mid exam-5 M, Assignments -5 M) a. There shall be two mid examinations. The first mid examination shall be for units 1to 3 & second mid examination shall be for units 4 to 6. Each mid examination for a paper shall consist of a descriptive mid examination part & an objective mid examination part as detailed below. b. There shall be two written descriptive internal assessment tests (mid examinations) for 20 marks each. The tests shall be of 90 minutes duration and shall consist of i) 3 Essay questions carrying 8 marks each, out of which 2 are to be answered and ii)3 short answer questions from each unit carrying 2 marks each out of which any two are to be answered.

6.2		c. Academic year 2014-15 /2015-16
		There shall be two written examinations for 2014-15 for first year (Semester 1
		and Semester 2). There shall be two on line examinations from 2015-16
		onwards for all semesters including first year and are objective internal
		assessment mid examinations for 5 marks each for every theory paper. The
		tests shall be of 10 minutes duration and shall consist of 10 questions which
		shall be compulsory.
		d. Marks of I mid descriptive & I Mid objective exams are added to obtain 1 st mid
		mark for a paper. Similarly the second mid marks are obtained.
		e. The higher marks of the two mid exams for any paper shall be given a
		weightage of 2 & the other a weightage of 1. The marks are accordingly
		reduced/proportionate to 25
		f. There shall be a minimum of 5 assignments per semester with a minimum of 2
		class room assignments & 3 home assignments. Assignments shall carry 5
		marks.
		g. The mid examination's weighted average marks reduced to 25 shall be added to
		the mark's obtained in assignments to obtain the maximum total mark in theory
		for the internal assessment.
		h. In the case of papers 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 mid examinations with 10 marks each. The better marks of these
		two mid exams shall be given a weightage of 2 & the other a weightage of 1.
	••	The marks are reduced to 10.
	ii.	The award of 70 marks for semester end examination shall be done as follows
		a. There shall be a descriptive written examination of 3 Hours duration for 70
		marks covering all the 6 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 Boards of Studies. 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. Question paper shall have 2 parts, Part A & Part B. All questions carry equal
		marks.
		c. Part A of the question paper shall contain one question only and it shall be
		compulsory. The question shall be a mixed question from various units
		d. Part B of the question paper shall contain 6 questions (one from each unit) and
		the student shall answer any four of the six.

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 external 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 concerned faculty and the other shall be an internal faculty nominated by the HOD.
 - c. The end examination shall be conducted by the teacher concerned and external examiner.

Mini Project / Study Project carrying 2 credits shall be done during summer vacation after II Year II sem & will be evaluated by the Departmental committee consisting of Head of the department, mini project supervisor and a senior faculty member for 100 Marks. There shall be no external examination for mini project.

Summer internship/ Summer training – 3 credits – 100 Marks Summer internship/ Summer training carrying 3 credits shall be done during summer vacation after III Year II sem & will be evaluated by the Departmental committee consisting of Head of the department, Summer internship/ Summer training supervisor and a senior faculty member for 100 Marks. There shall be no external examination for Summer internship/ Summer training

6.6	Add on courses/Audit courses - No credit
	No credits for these courses. Class work periods are allotted. Only internal assessment. Passing
	these courses (minimum marks 40%) is compulsory for award of degree. Failed candidates need
	to re-register and re-appear for assessment. Result will be shown as satisfactory/not satisfactory.
	The audit courses are
	1 Year > Professional Ethics & Human Values ; 2 Year > Soft skill 1 ;3 Year > Soft skill 2
	4 Year > Intellectual Property Rights & Patents

6.7	Project – 9 credits - 200 Marks		
	Out of a total of 200 Marks for the project work, 60 marks shall be for internal valuation and 140		
	marks shall be for the semester end evaluation. The project work shall be spread over the entire		
	VIII semester. It shall be innovative in nature with, industry/ research orientation. A project batch		
	shall comprise of not more than four students		
	i. The award of 60 marks for internal evaluation shall be done as given below		
	A mid course review shall be conducted by HOD and the project coordinator for 30		
	marks. On completion of the project another evaluation shall be made by the same		
	committee for another 30 marks.		
	ii. The award of 140 marks for external evaluation shall be done as follows		
	External evaluation shall be done by a three men committee consisting of a) an		
	external examiner nominated by the Principal from the panel of evaluators		
	recommended by the BOS, b) HOD and c) the project coordinator, based on the		
	report submitted by the candidate and a viva-voce examination.		

RBT 7.0	ATTENDANCE REQUIREMENTS
7.1	 A student shall be eligible to write the semester end examination if he acquires a minimum of 75% of attendance in aggregate of all the subjects.
	ii. Condonation of shortage of attendance in aggregate up to 10% (attendance below 75% but above 65%) in each semester may be condoned by the College Academic Committee.
	iii. A stipulated fee shall be payable towards condonation of shortage of attendance.
	iv. Shortage of attendance below 65 % in aggregate shall not be condoned.
	v. A student who is short of attendance in any semester may seek readmission into that semester wh it is offered again but within 4 weeks from the date of commencement of class work of the new semester.
	vi. Students whose shortage of attendance is not condoned in any semester shall not be eligible to writheir semester end examination of that class.
	vii. A student shall be promoted to next semester if he satisfies the a) attendance requirement of the present semester & b) the credits requirement if any.
	viii. If any candidate fulfils the attendance requirement in the present semester, he shall not be eligible for readmission into the same class.

RBT 8.0	MINIMUM ACADEMIC REQUIREMENTS	
8.1	The following academic requirements shall be satisfied by every student in addition to the	
	attendance requirements mentioned under rule No 7.	
	i. A student shall be deemed to have satisfied the minimum academic requirements in	
	theory subjects if he has earned the credits allotted to each theory subject and secures	
	not less than 25 marks out of 70 in semester end theory examinations & a minimum	
	of 40 % of marks in each theory paper when the internal marks and semester end	
	marks are added together.	
	ii. A student shall be deemed to have satisfied the minimum academic requirements in	
	practical subjects if he has earned the credits allotted to each practical subject and	
	secures not less than 50% marks in semester end practical examinations & a	
	minimum of 50 % of marks in each practical paper when the internal marks and	
	semester end 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 & project if he has earned the credits allotted to each of this subject and secures not less	
	than 35% marks in semester end examinations if any & a minimum of 40 % of marks	
	in each paper when the internal marks and semester end marks are added together.	
	iv. A student shall be promoted from I year to II year if he fulfills the minimum	
	attendance requirement.	
	v. A student shall be promoted from II Year to III Year if he fulfills the academic	
	requirement of 50% of the credits up to II Year II semester from all the examinations	
	(1-1 R+3S, 1-2 R+2S, 2-1 R+1S, 2-2 R), whether or not the candidate take the	
	examination & secures the prescribed minimum attendance in II Year II Semester (R-	
	Regular, S – Supplies).	
	vi. A student shall be promoted from III Year to IV Year if he fulfills the academic	
	requirement of 50% of the credits up to III Year II semester from all the	
	examinations (1-1 R+5S, 1-2 R+4S, 2-1 R+3S, 2-2 R+2S, 3-1 R+1S, 3-2 R), whether	
	or not the candidate take the examination & secures the prescribed minimum	
	attendance in III Year II Semester. (R- Regular, S – Supplies)	
	vii. A regular B. Tech student shall register in all the 180 credits and earn all the 180 credits. Marks obtained in all the 180 credits shall be considered for the calculation of grade	
	awarded. A lateral entry B.Tech student shall register in all the 135 credits and earn all	
	the 135 credits. Marks obtained in all the 135 credits shall be considered for the	
	calculation of grade awarded.	
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9.0	AWARD OF GRADE AND DEGREE				
9.1	METHOD OF AWARDING LETTER GRADE AND GRADE POINTS FOR A COURSE				
	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)	Workshop	Grade Points	Letter Grade	Remark
	Percentage of Marks ≥ 90	Percentage of Marks ≥ 90	10	0	OUTSTANDING
	≥80 &<90	≥80 &<90	9	A^{+}	EXCELLENT
	≥70 & < 80	≥70 &<80	8	A	VERY GOOD
	≥60 &<70	≥60 &<70	7	B^{+}	GOOD
	≥50 &<60	≥50 &<60	6	В	AVERAGE
	≥40 & < 50	-	5	P	PASS
	< 40	< 50	F	F (Fail)	FAIL

	Absent	Ab	Ab	ABSENT
9.2	CALCULATION OF GRADE POINT AVRAGE FOR A SEMESTER			
	The performance of each student at the end of the each semester is indicated in terms of GPA. The			
	SGPA is calculated as below:			
	$SGPA = \sum (CR \times GP) / \sum CR$			
	Where CR = Credits of a course			
	GP = Grade points awarded for a course			
	*GPA is calculated for the candidates who passed all the courses in that year/semester.			
	** Method of Calculation is similar for both SGPA & CGPA			
9.3	CALCULATION OF CUMULATIVE GRADE POINT AVERAGE (CGPA) FOR ENTIRE PROGRAMME			FOR ENTIRE
	The CGPA is calculated as below:			
	$\mathbf{CGPA} = \sum (\mathbf{CR} \times \mathbf{GP}) / \sum \mathbf{CR}$ (for entire programme)			
	Where CR = Credits of a course			
	GP = Grade points awarded for a course			
9.4	AWARD OF DIVISION			
	A student who has passed all the examinations	and satisfied al	1 the requiren	nents prescribed for the
	program shall be eligible for the award of B.Tech. Degree & he shall be placed in a grade / division as given below.			
	a. $CGPA \ge 7.5$: Degree with Dist	tinction		
	b. CGPA ≥ 6.5 and < 7.5 : Degree with First	t Class		
	c. CGPA ≥ 5.5 and < 6.5 : Degree with Second	ond Class		

RBT 10.0	Minimum instruction days	
	Minimum instruction days for each semester shall be 90 working days.	

d. CGPA < 5.5 : Degree with Pass Class

RBT 11.0	WITHHOLDING OF RESULTS
11.1	If the student has not paid the dues payable to the college or if any case of indiscipline is
	pending against him, the result of the student will be withheld. His degree also may be
	withheld.
	Malpractice Rules As per Annexure I.

RBT 12.0	TRANSITORY REGULATIONS
12.1	Refer Annexure II

RBT 13.0	GENERAL
13.1	Wherever the words "he", "him", "his", occur in the regulations, they include "she", "her", "hers".
13.2	The academic regulation should be read as a whole for the purpose of any interpretation.
13.3	In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Chairman Academic Council shall be final.
13.4	The college may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the college.

RBT 14.0	GAP YEAR
14.1	Refer Annexure III

ANNEXURE I

MALPRACTICES RULES DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractices/Improper conduct	Punishment
	If the candidate:	
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 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.
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 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. 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 original candidate, who has been impersonated, shall be cancelled in all the subjects of the examination (including practical(s) and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all Semester end examinations. The continuation of the course by the candidate is

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.	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. 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 semester end examinations. The continuation of the course 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 subject.
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 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.
MPR 7.	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already

	examination hall.	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 semester end examinations. The continuation of the course 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 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.
MPR 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 colleges 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.
MPR 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.
MPR 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.
MPR 12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the Academic council for further action to award suitable punishment.	

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (Autonomous) RAJAHMUNDRY-533 296, AP

ACADEMIC REGULATIONS - B.Tech (R-14)

TRANSITORY REGULATIONS FOR UG/PG STUDENTS SEEKING RE-ADMISSION INTO 2014 REGULATIONS

(Detained due to shortage of attendance / lack of credits in earlier Regulations)

- 1. The student has to continue the course work along with the regular students of the respective semester in which the student gets re-admission. Prior approval from JNTUK should be obtained before re-admission of a candidate through Transitory Regulations.
- 2. Substitute / compulsory subjects shall be offered in place of subjects that are already studied earlier. The student has to register for those specific subjects. The Chairman BOS and Chairman Academic Council are to consult JNTUK and obtain authorization to offer alternative subjects in new regulation.
- 3. The mode of internal evaluation (i.e., in-course assessments) and external evaluation (i.e., end-semester examinations) 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 end-semester examinations along with the regular students of the respective semester in which the student gets re-admission. However, the affiliating university's approval is to be obtained before such re-admission on case to case basis.
- 4. For the subjects studied under earlier regulations but failed, the student has to appear, pass and acquire credits from the supplementary examinations with-in the time provided by the affiliating university.
- 5. 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 Subjects/ Substitute subjects in the new regulation as approved by JNTUK.
- 6. 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 end semester examination 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 no of credits, the lowest marks/grades scored will be excluded for calculating final grade. The affiliating university's decision is final in this regard.
- 7. All other academic requirements shall be in accordance with the regulations under which the student was re-admitted.
- **8.** The decision of the affiliating university is final and is binding on the transitory students on any clarification/ query/doubt and whatsoever, the decision of the Affiliating University JNTUK is final.

GAP YEAR - CRITERIA

- 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.
- The said Organization should be either of PSU/Govt. Org/ MNC or Public Limited Company.
- Student should secure minimum Grade Point (SGPA) making him eligible for First Class as per regulations either by Grade Point or Percentage System till the said completed years of study.
- The student must not be a "detained" candidate in any of the prior years.
- The Student needs to pass all the subjects till the previous Academic Year to get eligible for applying for GAP Year and the GAP Year is restricted to 1 Academic Year with-out interruption.
- The GAP year is not admissible for gainful employment.
- The principal should obtain necessary authorization in writing on case to case basis from affiliated university JNTUK before providing such facility to any student.