

B.E / B.Tech Degree Courses

RULES AND REGULATIONS

FOR THE

**FOUR YEAR DEGREE COURSE IN
ENGINEERING / TECHNOLOGY**



**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
(AUTONOMOUS)**

Gandipet, Hyderabad – 500 075, Andhra Pradesh, India

(with effect from 2013-14)

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Chaitanya Bharathi Institute of Technology (Autonomous)

Gandipet, Hyderabad – 500 075, Andhra Pradesh, India

RULES AND REGULATIONS

(Applicable to students of Four Year Degree Course in Engineering / Technology admitted from the Academic Year 2013 -2014)

- Note:
1. All the Rules and Regulations, herein specified shall be read as a whole for the purpose of interpretation
 2. Any reference to College in these Rules and Regulations, stands for Chaitanya Bharathi Institute of Technology (Autonomous)

I ADMISSION

1. A candidate for admission to the Four Year Degree Course in Engineering / Technology must have passed the Intermediate Examination of the Board of Intermediate Education, Government of Andhra Pradesh with **Mathematics, Physics and Chemistry** as optional subjects, or any other examination recognised as equivalent by Osmania University, Hyderabad where as candidate for admission to the Four Years Degree Course in Bio-technology must have passed the Intermediate examination of the Andhra Pradesh State Board of Intermediate Education with Mathematics, Physics and Chemistry / Biology, Physics and Chemistry as optional subjects or any other examination recognized by the Osmania University as equivalent thereto. For Bi.P.C students passing bridge course in mathematics is essential.
2. All the eligible applicants shall have to qualify at the common Entrance Examination. The candidates will be admitted strictly in accordance with their merit at the Entrance Examination, keeping in view the Rules in force regarding the reservations of seats to various categories of candidates.
3. Diploma qualified candidates seeking admission into the Second year under lateral entry scheme shall have to qualify at the ECET examination.
4. Admission under Management / NRI quota are governed by the guidelines issued by the Govt. of Andhra Pradesh from time to time.

II DURATION AND COURSE OF STUDY

1. The duration of the course is four years. Each of the four academic years shall be divided into two semesters herein after referred to as the First semester and Second semester in chronological order. Each semester shall comprise:

Instruction	16 weeks
Preparation holidays (includes practical exams)	2 weeks

No admission (or) readmission (or) promotion is to be made after four weeks of the commencement of instruction.

In case there are any court cases consequent to which the authorities are compelled to admit any candidate after the announced last date of admissions, the admission (seat) of such a student would be reserved for the subsequent year on a supernumerary basis.

No refund of Tuition fee will be made after the commencement of Instruction.

No supplementary or any other examinations (except the internal Tests) shall be conducted during the instructions period of the Semester course, except Make-up Examination for the IV Year II Semester Course.

2. The following courses of study are offered in the College.

1. Bio-Technology
2. Civil Engineering
3. Chemical Engineering
4. Computer Science and Engineering
5. Electronics and Communication Engineering
6. Electrical and Electronics Engineering
7. Information Technology
8. Mechanical Engineering
9. Production Engineering

The schedule of study of all courses is regulated by the Academic Council of Chaitanya Bharathi Institute of Technology (Autonomous)

3. Each candidate will be allotted to one of the courses at the time of admission, strictly depending on the merit secured at the Entrance Examination, and subject to the rules in force regarding reservations of seats.
 - a. Candidate of the Four year Degree Course who fails to fulfill all the requirements for the award of the degree as specified hereinafter within eight academic years from the time of admission, will forfeit his/her seat in the course and his/her admission will stand cancelled
 - b. Diploma candidates admitted to the second year under lateral entry scheme shall fulfill all the requirements for the award of the degree as specified hereinafter within six academic years from the time of admission failing which they will forfeit their seat in the course and their admission will stand cancelled.

III RULES AND REGULATIONS OF ATTENDANCE

1. The Degree of Bachelor of Engineering / Technology will be conferred on a candidate who has pursued a 'Regular Course of Study' for Four academic years (three years for candidates admitted in II year under lateral entry scheme) as hereinafter prescribed in the scheme of instruction and has passed all the examinations prescribed in the scheme of examination.
2. i) A regular course of study for eligibility to appear at the B.E/ B.Tech Examination of any Semester shall mean putting in attendance of not less than 75% aggregate in lectures, Practicals, Drawings, Workshops, field work, Project, Seminars extension etc. The cumulative monthly attendance in each subject and the aggregate attendance shall be displayed on the notice board.
 - ii) Attendance of N.C.C/N.S.S. Camps or Inter collegiate or Inter University or Inter State or International matches or debates or Educational Excursion or such other Inter University activities as approved by the authorities involving journeys outside the city in which the college is situated will not be counted as absence. However, such 'absence shall not exceed (4) weeks per semester of the total period of instructions. Such facility should not be availed twice during the course of study.
 - iii) In any semester of the course if a candidate fails to secure the minimum percentage of attendance, he/she shall not be eligible to appear in the examination of that semester and he/she shall have to enroll himself/herself to undergo afresh a 'Regular Course of Study' of the corresponding semester in subsequent academic session, in order to become eligible to appear for the examination.
 - iv) The attendance shall be calculated on the aggregate of the papers / subjects from the date of commencement of classes / date of readmission in case of detained candidates as per the almanac communicated by the Chaitanya Bharathi Institute of Technology (Autonomous).
 - v) Candidates admitted to the first year first semester through an entrance test and do not have the requisite attendance but have not less than 40% attendance can seek readmission without once again appearing for the entrance test again in respect of candidates of such courses where the admissions are governed through an entrance test. Candidates of I year I semester who do not have the minimum 40% attendance would lose their seat.
3. i) In special cases and for sufficient cause shown, the Principal may, on the specific recommendation of the Head of the Department, condone the deficiency in attendance to the extent of 10% on medical grounds subject to submission of medical certificate and payment of condonation fee.
 - ii) However, in respect of women candidates who seek condonation of attendance due to pregnancy, the Principal may condone the deficiency in attendance to the extent of 15% (as against 10% Condonation for others) on medical grounds subject to submission of medical certificate to this effect. Such condonation shall not be availed twice during the course of study.
4. The fee for condonation of attendance on medical grounds shall be Rs.250.00 payable through Demand Draft drawn in favour of the Principal, CBIT, Hyderabad.

IV SCHEME OF INSTRUCTION AND EXAMINATION

1. Instruction in the various subjects in each semester of all the four years shall be provided by the College as per the scheme of instruction and syllabi prescribed.
2. The distribution of marks/grades* for Sessionals based on internal assessment by concerned teacher and the end / final examination shall be as follows:

Subject	Sessional	End/ Final Examination
Each theory subject	25**	75***
Each practical or drawing Subject for which less than 6 periods/week are provided in the scheme of instruction	25	50
Each practical or drawing Subject for which 6 or more Periods/week are provided in The scheme of instruction	50	100
Project	50	S/A/B/C/D/E/F

* Grades are allotted based on the marks secured in end examination and Sessionals as per the following criteria.

Table: Letter Grade Points

Academic Performance	Letter grade	Grade points
90 % and above	S	10
80 % to 89 %	A	09
70 % to 79 %	B	08
60 % to 69 %	C	07
50 % to 59 %	D	06
40 % to 49 %	E	05
Below 40 %	F	00

** Out of 25 sessional marks, 5 marks are allotted for Assignments /Quizzes etc., and the rest to be based on the average of two Internal Tests, weightage for each test is 20 marks.

*** The question paper will be in two parts, Part-A and Part-B. Part A is compulsory and covers the entire syllabus, and carries 25 marks. Part-B carries 50 marks and covers all the units of the syllabus.

Note: A course that has sessional marks but no University examination as per scheme is treated as Pass/Fail course for which pass marks are 40% of Sessionals.

3. The details of instruction period, examination schedule, vacation etc. shall be notified by the Principal of the College.
4. The medium of instruction and examination shall be English.
5. At the end of each semester, end / final examinations shall be held as prescribed in the respective schemes of examination. The examinations pertaining to the semester just ended will be called main examinations and the examinations pertaining to the other semesters will be called supplementary examinations, except in the case of B.E/ B.Tech IV Year II semester, which will be called Make-up examinations.

To enable the B.E/ B.Tech Final Year students to complete the course requirements in time, there shall be a Make-up Exam, for IV year II semester only, which will be scheduled within one month of publication of results of IV year II semester Main Examinations.

6. The examinations prescribed may be conducted by means of written papers, practical and oral tests, inspection of certified sessional work in Drawing and Laboratories and Workshop, or by means of any combination of these methods as may be deemed necessary.

Candidates will be required to produce complete Laboratory Records of the Practical work done by them in each practical examination, along with other materials prepared or collected as part of Lab work / Project.

7. All the general rules *for* examinations (given under IX) shall be adhered to.

8. A candidate shall be deemed to have fully passed the Examination of a semester, if he/she secures not less than the minimum marks/ grade as prescribed. Minimum pass marks / grade in the end Examinations plus sessional marks shall be.

Each theory subject	-----	40% - 'E' Grade
Each practical subject Project	-----	50% - 'D' Grade
Project	-----	'E' Grade in End / Semester Examination

9. If a candidate in any semester examination of the course fails to secure the minimum marks/grade in any subject, he/she shall have to appear only in the failed subject of the semester.

V RULES OF PROMOTION

Rules of promotion are as under:

Sl.No.	Semester / Class	Conditions to be fulfilled for	
1.	From I Sem. of B.E/ B.Tech I Year to II Sem. of B.E/ B.Tech I Year	Regular course of study of I Sem. of B.E/ B.Tech I Year	
	From II Sem. of B.E/ B.Tech I Year to I Sem. of B.E/ B.Tech II Year	a) Regular course of study of II Sem. of B.E/ B.Tech I Year b) Must have passed at least 50% of papers prescribed for I Sem. And II Sem. of B.E/ B.Tech I Year. The number of papers a candidate can have as backlogs are as under.	
		No.of papers prescribed for I & II Sem. of B.E/ B.Tech I Year	No. of backlogs permitted
		19/20 21/22 23/24	10 11 12
2.	From I Sem. of B.E/ B.Tech II Year to II Sem. of B.E/ B.Tech II Year	Regular course of study of I Sem. B.E/ B.Tech II Year	
3.	From B.E/ B.Tech II Year II Sem. to B.E/ B.Tech III Year I Sem.	a) Regular course of study of II Sem. of B.E/ B.Tech II Year b) No.of backlogs, if any of B.E/ B.Tech I & B.E/ B.Tech II Year put together shall not exceed 50% of the total number of papers prescribed for the I & II Semester of B.E/ B.Tech II Year	
		No.of papers prescribed for I & II Sem. of B.E/ B.Tech II Year	No. of backlogs permitted in BE I & B.E/ B.Tech II Year put together.
		13/14 15/16 17/18	7 8 9
4.	From I Sem. of B.E/ B.Tech III Yr. to II Semester of B.E/ B.Tech III Year	Regular course of study of I Sem. of B.E/ B.Tech III Year	
5.	From II Sem. of III Yr. to I Semester of B.E/ B.Tech IV Year	a) Regular course of study of II Sem. of B.E/ B.Tech III Year b) No. of backlogs, if any of B.E/ B.Tech I, B.E/ B.Tech II & B.E/ B.Tech III Years put together shall not exceed to 50% of the total number of papers prescribed for the I & II Semester of B.E/ B.Tech III Year	

6.	From I Sem. of B.E/ B.Tech IV Year to. II Sem. B.E/ B.Tech IV Year	No. of papers prescribed for I & II Sem. of B.E/ B.Tech III Year.	No. of backlogs permitted in B.E/ B.Tech I,II & III Year put together
		15/16	8
		17/18	9
		19/20	10
		Regular course of study of I Sem. of B.E/ B.Tech IV Year	

VI GRADING SYSTEM

- Candidates who have passed all the examinations of the B.E/ B.Tech Degree Course shall be awarded Division in accordance with the grade secured by them in all the I and II Semester Examinations of B.E/ B.Tech I, II, III and IV years, taken together, including the sessional marks secured in those years.

The grade secured shall be shown in the memorandum of marks as per the performance in End Examinations including sessional marks.

A minimum Cumulative Grade Point Average (CGPA) of 5 is required for the award of Degree. The consolidated memorandum of marks will reflect the credits / grade scored in each subject.

- Semester Grade Point Average (SGPA) & CGPA Calculation:

Two internal tests will be conducted in a semester. Each test will be of 20 Marks, 6 marks for Part-A consisting of objective / short answer questions and 14 marks for Part-B consisting of subjective questions. The average of two tests plus marks obtained in assignments /quizzes etc. out of 5 marks will be taken as sessional marks.

$$(a) \text{ SGPA} = \frac{\sum (\text{Letter Grade Point}) \times (\text{Credits})}{\sum (\text{Credits})}$$

SGPA is calculated only when all subjects in that semester are Passed.

$$(b) \text{ CGPA} = \frac{\sum (\text{SGPA}) \times (\text{Credits})}{\sum (\text{Total Credits})}$$

CGPA is calculated only when total credits earned are equal to total credits prescribed as per scheme up to a Semester in which the candidate has last appeared for End Examination.

VII AWARD OF DEGREE

The degree of Bachelor of Engineering / Technology will be conferred on candidate who has pursued a regular course of study of four academic years as hereinafter prescribed in the scheme of instruction and has passed all the examinations as prescribed in the scheme of examinations

1. Award of Division

CGPA	Division
8.0 and above	First Class with Distinction
6.5 and less than 8.0	First division
5.5 and less than 6.5	Second division
5.0 and less than 5.5	Pass division

2. Award of Gold Medal

A student securing highest CGPA in single attempt is eligible for award of Gold Medal in each course of study of B.E/ B.Tech.

VIII IMPROVEMENT OF OVERALL SCORE

A candidate who wishes to improve his/her overall score may do so within one academic year immediately after having passed all the examinations of the B.E. degree course by reappearing at not more than two semesters (all subjects pertaining to the semester taken together) examinations. For the award of the overall score, he/she will have the benefit of the higher of the two aggregates of marks / grade secured in the corresponding semester(s).

IX GENERAL RULES OF EXAMINATIONS

- Application for permission to appear at every examination shall be made on the prescribed form, accompanied by three passport size full face photographs (not profile) which along with the necessary certificates regarding attendance, practical work, etc., and the prescribed fee, should be sent to the Principal, Chaitanya Bharathi Institute of Technology (Autonomous), Gandipet, Hyderabad – 500 075 on or before the date fixed for this purpose.
- When a candidate's application is found in order and he/she is eligible to appear at an Examination, the Director of Evaluation, Examination Cell, Chaitanya Bharathi Institute of Technology (Autonomous) shall furnish him/her with a Hall-Ticket with the photograph affixed to it, enabling the candidate to appear in the Examination and this Hall-Ticket shall have to be produced by the Candidate before he/she is admitted to the premises where the Examination is being held.

3. A Candidate who does not present himself/herself for the examination for any reason whatsoever, excepting shortage of attendance, shall not be entitled to claim refund of the whole or part of the examination fee, for subsequent Examination(s).
4. A candidate after he/she has been declared successful in the whole examination, shall be given a certificate setting forth the year of examination, the subjects in which he/she was examined and, the overall grade secured.
5. No candidate shall be allowed to put in attendance for a course or appear at examinations for different degrees and different faculties at one and the same time.
6. Students who have appeared once at any examination of the course need not put in fresh attendance, if they wish to reappear at the corresponding examination, notwithstanding the fact that the College may have introduced new subjects. They will, however, have to appear at the examinations according to the scheme of examination and syllabi in force.

X TRANSITORY REGULATIONS

Whenever a course or scheme of instruction is changed in a particular year, two more examinations immediately following thereafter shall be conducted according to the old syllabi / regulations. Candidates not appearing at the examinations or failing in them shall take the examination subsequently according to the changed syllabi / regulations.

All the rules and regulations, specified herein after shall be read as whole for the purpose of interpretation and when a doubt arises, the interpretation of the Chairman, Academic Council, Chaitanya Bharathi Institute of Technology (Autonomous) is final. As per the requirements of the Statutory Bodies, Principal, Chaitanya Bharathi Institute of Technology (Autonomous), shall be the Chairman of the College Academic Council.
