Chaitanya Bharathi Institute of Technology(A)

Choice Based Credit System (CBCS)

The CBCS is applicable to the students who are admitted to BE/B.Tech.(Eight Semesters) programme from the academic year 2016-2017. The preliminary definitions and nomenclature are furnished in the following table.

Sl. No	Key Words	Definition
1.	Programme	An educational programme leading to award of a Degree **BE/B.Tech.**
2.	Admission Procedure	As prescribed by Government of Telangana
3.	Academic Year	Two consecutive (one odd + one even) semesters constitute one academic year.
4.	Semester	Each semester will consist of 15-17 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be scheduled from July to December and even semester from January to June.
5.	Course	Usually referred to, as 'papers' is a component of a programme. All courses need not carry the same weight. The courses should define learning objectives and learning outcomes. A course may be designed to comprise lectures/tutorials/laboratory work/ project work/ seminars/ Exams/ viva/ assignments/presentations/self-study etc. or a combination of some of these. The medium of instruction, examinations and project report will be in English
6.	Credit	A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work per week.
7.	CBCS	Choice Based Credit System (CBCS), provides choice for students to select from the prescribed courses.
8.	CBSS	Credit Based Semester System (CBSS), the requirement for awarding a degree is prescribed in terms of number of credits to be completed by the students.
9.	Letter Grade	It is an index of the performance of students in a said course. Grades are denoted by letters like O, A++, A, A,B+, B, C etc.
10.	Grade Point	It is a numerical weight allotted to each letter grade on a 10-point scale.
11.	Credit Point	It is the product of grade point and number of credits for a course.
12.	SGPA	Semester Grade Point Average (SGPA), it is a measure of performance of work done in a semester. It is ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
13.	CGPA	Cumulative Grade Point Average (CGPA), it is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.
14.	Transcript or Grade Card or Certificate	Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (Course title, number of credits, grade secured) along with SGPA of that semester and CGPA earned till that semester.

Types of Courses in the Programme:
Courses in a programme may be of three kinds: Core, Elective and Foundation.

Core Course:
There may be a core course in every semester. This is the course which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

Elective Course:
Elective course is a course which can be chosen from a pool of papers and they may be:

- Supportive to the discipline of study/ Program Specific
- Providing an expanded scope
- Enabling an exposure to some other discipline/domain/Inter discipline
- Nurturing student's proficiency/skill.

An elective may be "Generic Elective/ Inter disciplinary Elective" focusing on those courses which add generic proficiency to the students. An elective may be "Discipline centric/Program Specific "or may be chosen from another discipline. It may be an "Open Elective".

Foundation Course:
Foundation courses are the courses which based upon the content that leads to Knowledge enhancement. They are mandatory for all disciplines. The other foundation courses are value-based and are aimed at man-making education.

Mandatory Learning Courses:
These are the courses that must be completed by the student before the course completion. For example the courses on "Professional Ethics and Human Values" and "Environmental studies" are mandatory learning courses.

Course Structure: The following table shows the course structure with the credit Weightage distribution.

Sl No	Description	Credits	%	Syllabus Requirements
1.	Foundation Course : Basic Science Core Courses (BSC) -24 Engineering Science Core Courses(ESC)-22 Humanities and Social Science Core Courses(HSC) -08 Mandatory Learning Courses (MLC) -02	56	30	Compulsory
2.	Core Courses :	88	47	
3.	Elective Courses :Program specific electives (PSE) , Inter-disciplinary / Open electives.	30	16	A wide choice to the student to choose for the elective courses listed in the structure. Program specific electives: 7 Inter Disciplinary/Open Electives :3 **Total Elective Courses : 10**
4.	Mini Project, Project, Seminars	14	07	Compulsory
	Total	188	100	

Examination and Assessment:
In assessing the performance of the students in examinations, the approach is to award marks based on the examinations conducted at various stages (sectionals and end exam) in a semester. Converting of these marks to letter grades based on absolute and award the grades. As per the UGC recommendations, the following system will be implemented in awarding the grades and CGPA under the credit based semester system.

Letter Grades and Grade Points:
The absolute grading mechanism is followed in mapping the letter grades. The marks are converted to grades based on pre-determined class interval. As per the UGC recommendations a 10-point grading system with the following letter grades are followed. The same is furnished in the following table.

% of Marks	Grade points	Letter Grade	Grade description
90.00-100	9.00-10	O	Outstanding
80.00-89.99	8.00-8.99	A++	Excellent
70.00-79.99	7.00-7.99	A+	Very good
60.00-69.99	6.00-6.99	A	Good
55.00-59.99	5.50-5.99	B+	Fair
50.00-54.99	5.00-5.49	B	Above Average
45.00-49.99	4.50-4.99	C+	Average
40.01-44.99	4.01-4.49	C	Below average
40	4.00	D	Pass
<40	0.00	F	Fail
----	0.00	Ab	Absent

A student obtaining Grade F shall be considered failed and will be required to reappear in the examination. For non-credit courses 'Satisfactory' or "Unsatisfactory' shall be indicated instead of the letter grade and this will not be counted for the computation of SGPA/CGPA.

Computation of SGPA and CGPA:
The computations of SGPA and CGPA are followed as per the UGC guidelines.

The **SGPA** is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e

$$\textbf{SGPA}\ (Si) = \Sigma(Ci \times Gi) / \Sigma Ci$$

where **Ci** is the number of credits of the i^{th} course and **G**i is the grade point scored by the student in the i^{th} course.

The **CGPA** is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

$$\textbf{CGPA} = \Sigma(Ci \times Si) / \Sigma\ Ci$$

where **Si** is the SGPA of the i^{th} semester and **Ci** is the total number of credits in that semester.

The **SGPA** and **CGPA** shall be rounded off to 2 decimal points and reported in the transcripts.

Transcript/Grade Sheet (Format): Based on the above guidelines on Letter grades, Grade points and SGPA and CCPA, the institute issues the transcript/grade certificate for each semester and a consolidated transcript/grade certificate indicating the performance in all semesters.

Contact hours and credits:

The norms for course credits are as follows:

Lecture (L)/Tutorials (T):One (1) hour per week is assigned one(1) credit(C).

Practical (P): Two (2) hours session per week is assigned one(1) credit(C).

For example, a theory course with a L-T-P schedule of 2-1-0 will be assigned three (3) credits.

L	T	P	C
2	1	0	3

A laboratory practical course with a L-T-P schedule of 0-1-2 will be assigned two (2) credits.

L	T	P	C
0	1	2	2

List of Foundation Courses:

(Common Civil, Chemical, CSE, ECE, EEE, IT, Mech. and Prod. disciplines)

Basic science core courses (BSC)		**19-1-8-24**
1. Engineering Mathematics-I	3-1-0-4	
2. Engineering Mathematics-II	3-0-0-3	
3. Engineering Mathematics-II I	3-0-0-3	
4. Engineering Physics	3-0-0-3	
5. Engineering Chemistry	3-0-0-3	
6. Applied Physics	2-0-0-2	
7. Applied Chemistry	2-0-0-2	
8. Engg. Physics Laboratory	0-0-2-1	
9. Engg. Chemistry Laboratory	0-0-2-1	
10. Applied Physics Lab	0-0-2-1	
11. Applied Chemistry Lab	0-0-2-1	
Engineering Science Core courses (ESC)		**16-1-8-22**
1. Engineering Mechanics	3-0-0-3	
2. Elements of EE	3-0-0-3	
3. Elements of ECE	3-0-0-3	
4. Elements of ME	3-0-0-3	
5. Engineering Graphics	1-0-3-3	
6. Programming and Problem Solving	3-1-0-4	
7. Programming Laboratory	0-0-2-1	
8. Mechanical and IT Workshop	0-0-3-2	
Humanities and Social Science Core Courses (HSC)		**6-0-4-8**
1. Professional Communication in English	3-0-0-3	
2. Professional Communication Lab	0-0-2-1	
3. Engg. Economics& Accountancy	3-0-0-3	
4. Soft Skills Lab	0-0-2-1	
Mandatory Learning Courses (MLC)		**2-0-0-2**
1. Environmental Studies	1-0-0-1	
2. Professional Ethics and Human values	1-0-0-1	
Total(Foundation courses):		**43-2-20-56**

Plan of Study of I-semester and II-semester:

The plan of study along with the course titles are furnished in the following table and it is common to all disciplines except Bio-Technology.

B.E(CSE, ECE and IT) Eight(8) Sections			
Semester-I		**Semester-II**	
Engineering Mathematics-I	3-1-0-4	Engineering Mathematics-II	3-0-0-3
Engineering Physics	3-0-0-3	Engineering Chemistry	3-0-0-3
Applied Chemistry	2-0-0-2	Applied Physics	2-0-0-2
Engg. Physics Laboratory	0-0-2-1	Engg. Chemistry Laboratory	0-0-2-1
Applied Chemistry Lab	0-0-2-1	Applied Physics Lab	0-0-2-1
Engineering Mechanics	3-0-0-3	Elements of ME	3-0-0-3
Elements of EE	3-0-0-3	Elements of ECE	3-0-0-3
Engineering Graphics	1-0-3-3	Programming and Problem Solving	3-1-0-4
Professional Communication in English	3-0-0-3	Programming Laboratory	0-0-2-1
Professional Communication Lab	0-0-2-1	Mechanical and IT Workshop	0-0-3-2
Environmental Studies	1-0-0-1	Professional Ethics and Human values	1-0-0-1
Total	19-1-9-25	Total	18-1-9-24
Work Load : 29 (Hours / per week)		**Work Load: : 28 (Hours / per week)**	

B.E(Civil, EEE, Mech. and Prod.) and B.Tech. Chemical) Eight(8) Sections			
Semester-I		**Semester-II**	
Engineering Mathematics-I	3-1-0-4	Engineering Mathematics-II	3-0-0-3
Engineering Chemistry	3-0-0-3	Engineering Physics	3-0-0-3
Applied Physics	2-0-0-2	Applied Chemistry	2-0-0-2
Engg. Chemistry Laboratory	0-0-2-1	Engg. Physics Laboratory	0-0-2-1
Applied Physics Lab	0-0-2-1	Applied Chemistry Lab	0-0-2-1
Elements of ME	3-0-0-3	Engineering Mechanics	3-0-0-3
Elements of ECE	3-0-0-3	Elements of EE	3-0-0-3
Programming and Problem Solving	3-1-0-4	Professional Communication in English	3-0-0-3
Programming Laboratory	0-0-2-1	Professional Communication in English Lab	0-0-2-1
Mechanical and IT Workshop	0-0-3-2	Environmental Studies	1-0-0-1
Professional Ethics and Human values	1-0-0-1	Engineering Graphics	1-0-3-3
Total	18-2-9-25	Total	19-0-9-24
Work Load: : 29 (Hours / per week)		**Work Load : 28 (Hours / per week)**	

List of Foundation Courses: (For Bio-Technology discipline only)

Basic science core courses (BSC) **21-1-8-26**

1. Engineering Mathematics-I/Basics of Biology-I 3-1-0-4
2. Engineering Mathematics-II / Basics of Biology-II 3-0-0-3
3. Engineering Mathematics-III 3-0-0-3
4. Engineering Physics 3-0-0-3
5. Engineering Chemistry 3-0-0-3
6. Bio Physics 3-0-0-3

7. Bio Chemistry	3-0-0-3	
8. Engg. Physics Laboratory	0-0-2-1	
9. Engg. Chemistry Laboratory	0-0-2-1	
10. Bio Physics Lab	0-0-2-1	
11. Bio Organic Chemistry Lab	0-0-2-1	
Engineering Science Core courses (ESC)		**14-1-8-20**
1. Elements of Bio-Technology	3-0-0-3	
2. Elements of EE	3-0-0-3	
3. Introduction to Anatomy and Physiology of Humans	4-0-0-4	
4. Engineering Graphics	1-0-3-3	
5. Programming and Problem Solving	3-1-0-4	
6. Programming Laboratory	0-0-2-1	
7. Mechanical and IT Workshop	0-0-3-2	
Humanities and Social Science Core Courses (HSC)		**6-0-4-8**
1. Professional Communication in English	3-0-0-3	
2. Professional Communication Lab	0-0-2-1	
3. Engg. Economics & Accountancy	3-0-0-3	
4. Soft Skills Lab	0-0-2-1	
Mandatory Learning Courses (MLC)		**2-0-0-2**
1. Environmental Studies	1-0-0-1	
2. Professional Ethics and Human values	1-0-0-1	

Total (Foundation courses) : 43-2-20-56

Plan of Study of I-Sem and II-Sem for B.Tech (Bio-Technology):

The plan of study along with the course titles are furnished in the following for Bio-Technology discipline.

Semester-I		**Semester-II**	
Engg. Mathematics-I / Basics of Biology-I	3-1-0-4	Engg. Mathematics-II/ Basics of Biology-II	3-0-0-3
Engineering Chemistry (3Hrs)	3-0-0-3	Bio Physics(3Hrs)	3-0-0-3
Engg. Physics(3Hrs)	3-0-0-3	Bio Physics Laboratory	0-0-2-1
Engg. Chemistry Laboratory	0-0-2-1	Bio-Organic Chemistry	3-0-0-3
Engg.Physics Lab	0-0-2-1	Bio-Organic Chemistry Lab	0-0-2-1
Elements of EE	3-0-0-3	Introduction to Anatomy And Physiology of Humans	4-0-0-4
Elements of Bio-Technology	3-0-0-3	Programming and Problem Solving	3-1-0-4
Professional Communication in English	3-0-0-3	Programming Laboratory	0-0-2-1
Professional Communication Lab	0-0-2-1	Mechanical and IT Workshop	0-0-3-2
Engineering Graphics	1-0-3-3	Environmental Studies	1-0-0-1
		Profnl. Ethics& Human values	1-0-0-1
Total	19-1-9-25	Total	18-1-9-24
Work Load: : 29 (Hours / per week)		**Work Load : 28 (Hours / per week)**	

Plan of Study of III-VIII Sem of B.E/B.Tech. (Curriculum) :

The plan of study from III-semester to IV-semester is furnished in the following table and it is common to all the disciplines of B.E/B.Tech.

Semester	III	IV	V	VI	VII	VIII
1.	Engg. MathsIII (BS) (3)	Core Course / Engg. Maths(4)	Core Course (4)	Core Course (4)	Core Course (4)	**Elective (3)**
2.	Core Course (4)	Core Course (4)	Core Course (4)	Core Course (4)	Core Course (4)	**Elective (3)**
3.	Core Course(4)	Core Course(4)	Core Course (4)	Core Course (4)	Core Course (4)	**Elective (3)**
4.	Core Course(4)	Core Course(4)	**Elective (3)**	**Elective (3)**	**Elective (3)**	**Seminar(2)**
5.	*Engg. Eco and Accountancy (3) (HSC)	**Elective (3)**	**Elective (3)**	**Elective (3)**	**Elective (3)**	**Project(06)** **(Load: 06 Hours/Week)**
6.	Core Lab(2)	Core Lab(2)	Core Lab(2)	Core Lab(2)	Core Lab(2)	
7.	Core Lab(2)	Core Lab(2)	Core Lab(2)	Core Lab(2)	Core Lab(2)	
8.	Mini-Project(1)	**Soft Skills (1) (HSC)	Core Lab(2)	Core Lab(2)	**Project seminar(2)**	
9.		Mini-Project(1)	Mini-Project(1)	Mini-Project(1)		
	BS-3 EHSC-3 Core-16 Mini-Proj-1 Total=23	Core -20 Elective-3. Mini-Proj-1 Total=25	**Core-18** **Elective-6** Mini-Proj-1 **Total-25**	**Core-18** **Elective-6** Mini-Proj-1 **Total-25**	**Core-16** **Elective-6** **Proj sem-2** **Total-24**	**Elective-09** **Proj and Sem=08** **Total-17**

*Eight(8) sections will have "Engg. Eco and Accountancy" in III-Sem and the remaining nine(9) sections will have "Engg. Eco and Accountancy" in IV-Sem.

**Nine(9) sections will have "Soft Skills" in III-Sem and the remaining eight(8) sections will have "Soft Skills" in IV-Sem

SUMMARY

Semester	Credits	Hours per Week
I.	25	29
II.	24	28
III.	23	26
IV.	25	29
V.	25	29
VI.	25	29
VII.	24	27
VIII.	17	18
Total	**188**	

Foundation Courses	56
Mini Proj/Project/Seminar	14
Core	88
Electives*	30
Total	**188**

***** Program specific electives(7)
Inter Disciplinary Electives /Open Electives(3)
Total Elective Courses : 10

The time-table is prepared with the following timings:

1st Hour	2nd Hour	3rd Hour	Lunch	4th Hour	5th Hour	6th Hour
09:40-10:40	10:40-11:40	11:40-12:40	12:40-13:20	13:20-14:20	14:20-15:20	15:20-16:20

Credit requirements for the award of degree, lower limit and upper limit of credits for registration by a student in a semester

Credit Requirement for the award of B.E/B.Tech. degree is **185.**

The lower and upper limit for course credits registered in a semester by a student of B.E/B.Tech. program:

Lower Limit: 21 Credits	Upper Limit: 28 Credits

Industrial Training / Internship

The students may undergo Industrial training/Internship during summer / winter vacation. In this case the training has to be undergone continuously for the entire period.

The students may undergo Internship at Research organization / University (after due approval from the Head of the Department) during summer / winter vacation or during semester break.

Duration of Training/ Internship	Credits
2 Weeks	1
4 Weeks	2
6 Weeks	3

If Industrial Training / Internship are not prescribed in the curriculum, the student may undergo Industrial Training / Internship optionally and the credits earned will be indicated in the Mark Sheet. If the student earns three (3) credits in Industrial Training / Internship, the student may drop one 'Open Elective'. **In such cases Industrial Training / Internship needs to be undergone continuously from one organization only**.

However, if the number of credits earned is 1 or 2, these credits shall not be considered for dropping any elective or in process of award of degree. The student is allowed to undergo a maximum of 6 weeks Industrial Training / Internship during the entire duration of study, no credits will be allotted for the internship beyond six(6) weeks.

The detailed procedures are furnished in the **ANNEXURE**(Page: 14), regarding the earning of credits by the student for **Industrial Training / Internship**

Industrial Visit

Every student is required to go for at least two industrial visits during the IV-semester to VII-semester of the Programme. The Heads of Departments shall ensure that necessary arrangements are made in this regard. **It is non-credit course and is awarded with 'Satisfactory/Un-satisfactory' and will be reflected in grade sheet.**

Duration of the programmes

A student is normally expected to complete the B.E. / B.Tech. Programme in 8Semesters but in any case not more than 16 Semesters. Each semester shall normally consist of 90 teaching days (including examination days). The Head of the Department shall ensure that every teacher imparts instruction as per the number of hours specified in the syllabus covering the full content of the syllabus for the course being taught.

Course enrolment and registration

Each student, on admission shall be assigned to a Faculty Advisor who shall advice and counsel the student about the details of the academic programme and the choice of courses considering the student's academic background and career objectives.

Each student on admission shall register for **all the courses prescribed in the curriculum in** the student's **first Semester of study.**

Every student shall enrol for the course of the succeeding semester in the current semester. However, the student shall confirm the enrolment by registering for the courses within the first five working days after the commencement of the concerned semester.

No course shall be offered by a Department unless a minimum of 30 students register for that core course and15 students for elective course. After registering for a course, a student shall attend the classes, to satisfy the attendance requirements for attending the semester end examinations.

The enrolment for all the courses of the Semester II will commence 10 working days prior to the last working day of Semester I. The student shall confirm the enrolment by registering for the courses within the first five working days after the commencement of the Semester II. However, the student is allowed to register for courses for which the student has not enrolled, if these are the courses in which the student has failed.

The enrolment for the courses of the Semesters III to VIII will commence 10 working days prior to the last working day of the preceding semester. The student shall enrol for the courses with the guidance of the student's Faculty Advisor. If the student wishes, the student may drop or add courses within **five** working days after the commencement of the concerned semester and complete the registration process duly authorized by the Faculty Advisor. The student is allowed to register for courses for which the student has not enrolled, if these are the courses in which the student has failed.

A student has to earn the total number of credits specified in the curriculum of the respective Programme of study in order to be eligible to obtain the degree. However, if the student wishes, then the student is permitted to earn more than the total number of credits prescribed in the curriculum of the student's programme.

From the III to VIII semesters, the student has the option of registering for additional courses or dropping existing courses. Total number of credits of such courses cannot exceed 6. However the maximum number of credits the student can register in a particular semester cannot exceed28 credits.

The student shall register for the project work in the VII semester only.

If a student fails in a theory course/lab course, the student has to register for semester end exam in the subsequent semester for earning the credits for that failed course.

If a student is prevented from writing end semester examination due to lack of attendance, the student has to register for all the courses again, when offered next, attend the classes and fulfil the attendance requirements.

A student can apply for revaluation of the student's semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee along with prescribed application.

Promotion Rules :
The promotion rules for from one semester to another semester are furnished in the following table:

Sl.No.	Semester	Conditions to be fulfilled
1.	From I-Sem to II-Sem	Regular course of study of I-Sem.
2.	From II-Sem to III-Sem	Student Must have earned 24 Credits
3.	From III-Sem to IV-Sem	Regular course of study of III-Sem.
4.	From IV-Sem to V-Sem.	Student must have earned 49Credits of I-Sem and II-Sem, together must have earned 73 credits overall till IV Sem.
5.	From V-Sem to VI-Sem	Regular course of study of V-Sem
6.	From VI-Sem to VII-Sem	Student must have earned 97 Credits of I-Sem to IV-Sem, together must have earned 122 credits overall till VI Sem.
7.	From VII-Sem to VIII-Sem	Regular course of study of VII Sem.

Common Course Committee
A theory course handled by more than one teacher shall have a "Common Course Committee" comprising of all teachers teaching that course and students who have registered for that course. There shall be at least one/two student representatives from each class of that course. One of the teachers shall be nominated as **Course Coordinator** by the Head of the Department.

The first meeting of the Common Course Committee shall be held within fifteen days from the date of commencement of the semester. The nature and weight-age of the continuous assessments like assignments, internal exams and syllabus coverage schedules shall be decided in the first meeting, within the framework of the Regulations.

Two or three subsequent meetings in a semester may be held at suitable intervals**.** During these meetings, the student members shall meaningfully interact and express their opinions and suggestions of all the students to improve the effectiveness of the teaching-learning process. It is the responsibility of the student representatives to convey the proceedings of these meetings to their respective class.

In addition the "Common Course Committee" (without the student representatives) shall meet to ensure uniform evaluation of continuous assessments after arriving at a common scheme of evaluation for the assessments. Wherever feasible, the common course committee (without the student representatives) shall prepare a common question paper for the continuous assessment tests also.

Multiple Courses Committee
Course(s) handled by a single teacher, there will be a "Multiple Courses Committee" comprising of all the above teachers and two student representatives from each course. One of the above teachers, nominated by the Head of the Department shall coordinate the activities of this committee. The functions of this committee are similar to that of the common course committee.

Overall Monitoring Committee:
In addition, there shall be an overall monitoring committee for each semester of a programme which comprises of the Course Coordinators / Course teachers (as applicable), the Head of Department. This overall monitoring committee shall meet periodically to discuss academic related matters, progress and status of the students of the semester concerned. The overall monitoring committee can invite the students of the semester concerned for any of the committee meetings if necessary.

Assessment Procedures for Awarding Marks

The distribution of marks is based on internal assessment (Sessional) by concerned teacher and the Semester end examination shall be as follows:

Course (in terms of credits)	Sessional (Marks)	Semester end Examination (Marks)	Remarks	Duration of Semester End Examination
Three(3)Credits/ Four(4)credits	30*	70**	Theory Course/ Engg . Graphics	3 Hours
Two(2) Credits	20*	50***	Theory	2-Hours
Two(2) Credits	25	50	Lab Course/Workshop	3 Hours
One(1) Credit	15	35	Lab Course	2 Hours
Two(2) Credits	50	---	Project Seminar/Seminar	----
Six(6) Credits	50	100	Project	Viva
One(1) Credit	---	50***	Environmental Studies, Professional Ethics and Human values	2 Hours
One(1) Credit	50		Mini Project	-----

* Out of 30/20 sessional marks, 10/5 marks are allotted for slip-tests(Three slips test will be conducted, each of ten marks, best two average is considered) and the remaining 20 marks are 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 20 marks. Part-B carries 50 marks and covers all the units of the syllabus (student has to answer five out of seven questions)

***The question paper will be in two parts, Part-A and Part-B. Part A is compulsory and covers the entire syllabus, and carries 15 marks. Part-B carries 35 marks and covers all the units of the syllabus (student has to answer five out of seven questions)

Note: A course that has sessional marks but no end examination as per scheme is treated as Pass/Fail course for which pass marks are 50% of Sessionals.

A candidate has earned the credits of a particular course, if he/she secures not less than the minimum marks/ grade as prescribed. Minimum pass marks in the end **Examinations plus Sessional marks shall be 40% for theory courses/subjects and 50% for lab courses/ Project.**

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 eight semesters (six semesters for candidates admitted under lateral entry scheme) as hereinafter prescribed in the scheme of instruction and has earned the required credits.

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/theory, Practicals, Drawings, Workshops, Project, Seminars etc. The cumulative monthly attendance in each course 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 enrol 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. **The student need to pay the required tuition fee for that corresponding semester as per institute rules.**

   iv) The attendance shall be calculated on the aggregate of the courses/ 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 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-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.500.00 payable through Demand Draft drawn in favor of the Principal, CBIT, Hyderabad.

Revision of Regulations, Curriculum and Syllabi
The institute may from time to time revise, amend or change the Regulations, Curriculum, Syllabus and Scheme of examinations through the Academic Council's approval.

Eligibility for the award of degree
A student shall be declared to be eligible for the award of the B.E/B.Tech., provided the student has successfully gained the required number of total credits as specified in the curriculum corresponding to the student's programme within the stipulated time.

Successfully completed the course requirements, appeared for the End-Semester examinations and passed all the subjects prescribed in all the 8 semesters within a maximum period of 8 years considered from the commencement of the first semester to which the candidate was admitted.

Successfully passed any additional courses prescribed by the institute whenever readmitted under regulation.

No disciplinary action pending against the student.

The award of Degree must have been approved by the University.

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/B.Tech degree course by reappearing to all courses/subjects of any one semester as prescribed by the syllabus and curriculum.

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.

ANNEXURE

Industrial Training / Internship

Guide lines for earning three (3) credits by the student towards the Industrial Training/ Internship:

"If the student earns three (3) credits in Industrial Training / Internship, the student may drop one 'Open Elective'. In such cases Industrial Training / Internship needs to be undergone continuously from one organization only, during the semester break/summer vacation "

Procedure for granting permission to the student to carryout Industrial Training / Internship by the student, continuously for at least for six (6) weeks duration from one organization during the semester break/summer vacation:

1. The student needs to approach the respective Head of the department with a request that he/she is interested to carry out an Industrial Training / Internship, with the details of the industry/organisation

2. A committee is constituted in the department which is preceded by the head of department and head nominates one of the senior faculties as a mentor to that student.

3. The mentor visits the industry/organisation and discuss with CEO/Director /Responsible person of that industry/organisation on the following points

    - Duration of the Industrial Training / Internship
    - Nature of work to be carried out by the student
    - Facilities to be extended to the student in the industry
    - Requesting the industry personnel to assign a guide or an in-charge to monitor the student's work in the industry.
    - Number of man hours to be spend by the student
    - Preparation of documentation/report by the student
    - To apprise the industry personnel that the **Industrial Training / Internship** is equivalent to earning of three(3) credits

4. After having all the required details from the industry personnel, the mentor presents the deliberations made with industry and discusses with the committee to draft the necessary recommendations/conclusions.

5. If the committee recommends then the student is permitted to carry out **Industrial Training / Internship** in that particular industry/organisation, continuously for a minimum of six(6) weeks during the semester break/summer vacation.

Assessment procedure for earnings three (3) credits:

- A minimum of six(6) weeks continuously to be spend by the student in one industry/organisation during the semester break/summer vacation.

- Two (2) midterm evaluations, one at the end of third (3^{rd}) week of Industrial Training / Internship and the other at the end of fifth(5^{th}) week of Industrial Training / Internship are to be carried out by the mentor. The midterm evaluation may be based on oral presentations by the student and a documentary evidence of the work carried out by the student in industry/organisation. For awarding marks for midterm evaluations the mentor has to coordinate with the guide/in-charge of the student in the industry. The midterm evaluations are to be carried out for a maximum 30 Marks.

- After Industrial Training / Internship, the student has to submit a hard copy of the Industrial Training / Internship report in a standard format which is prescribed by the department. Finally, the committee evaluates the performance of the student for a maximum of seventy (70) marks which is equivalent to the semester end examination.

- The student has to deliver power point presentation before the committee on the work which is carried out by the student during Industrial Training /Internship. Committee examines the student and the marks (Maximum 70 Marks) are to be awarded on the following aspects.

Power Point Presentation	:	25 Marks
Hard copy of the Report	:	20 Marks
Viva-Voce	:	25 Marks

The department sends the performance of the student to the CoE for awarding Grade/Grade points towards earning of three (3) credits by the student for Industrial Training / Internship. Based on the result declared by the CoE, the student may be permitted to **drop one "Open Elective"**.

Guide lines for earning one(1)/two(2) credit(s) by the student towards the Industrial Training/ Internship for two(2) to four(4) weeks duration during the semester break or summer/winter vacation:

1. The student needs to approach the respective Head of the department with a request that he/she is interested to carry out an Industrial Training / Internship, with the details of the industry/organisation.

2. The Head of the department issues a letter to the industry with a request to permit the students for Industrial Training / Internship.

3. On Completion of Industrial Training / Internship by the student, the student is required to submit the following to the respective department.

    - Industrial Training / Internship completion certificate from the industry
    - Hardcopy of the report in a standard format which is prescribed by the department

4. Department committee evaluates the student performance on the Industrial Training / Internship for awarding the credits.

Assessment procedure for earning one (1)/two (2) credit(s):

The student has to deliver power point presentation before the committee on the work which is carried out by the student during Industrial Training /Internship. Committee examines the student and the marks **(Maximum :50 Marks, in case of four weeks Industrial Training / Internship, 25 Marks, in case of two weeks Industrial Training / Internship)** are to be awarded on the following aspects

Description	For Four(4) weeks Industrial Training	For Two(2) weeks Industrial Training
	Max. Marks	Max. Marks
Power Point Presentation	25	10
Hard copy of the Report	15	10
Viva-Voce	10	05
Total	50	25

The department sends the performance of the student to the CoE for awarding Grade/Grade points towards earning one(1)/two(2) credit(s)credits by the student for Industrial Training / Internship.

Note: The credits earned by the student towards the Industrial Training/ Internship for two(2) to four(4) weeks duration during the semester break or summer/winter vacation shall not be considered for dropping any elective or in process of award of degree.

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