# Chaitanya Bharathi Institute of Technology (A)
# Choice Based Credit System (CBCS)

The CBCS is applicable to the students who are admitted to M.C.A (Six 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 M.C.A. Degree |
| 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 one and half 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, B+, B, C+, C, D, F  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. | Grade Sheet | Based on the grades earned, a grade sheet shall be issued to all the registered students after every semester. The grade sheet 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 two kinds: Core and Elective.

**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.

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

| Sl No | Description | Credits | % | Syllabus Requirements |
|---|---|---|---|---|
| 1. | Core Courses (Theory) | 82 | 60 | Compulsory |
| 2. | Elective Courses(Theory) | 15 | 11 | |
| 3. | Lab Courses ,Seminars, Mini Project, Project Seminar and Project | 40 | 29 | |
| | Total | 137 | 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 (CIE and SEE) in a semester, and converting these marks to letter grades based on absolute and awards 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.

(CIE : Continuous Internal Evaluation, SEE: Semester End Examination)

## 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 |
|---|---|---|---|
| 95.00-100 | 9.5-10.0 | O | Outstanding |
| 85.00-94.99 | 8.5-9.49 | A+ | Excellent |
| 75.00-84.99 | 7.5-8.49 | A | Very good |
| 65.00-74.99 | 6.5-7.49 | B+ | Good |
| 60.00-64.99 | 6.0-6.49 | B | Fair |
| 55.00-59.99 | 5.5-5.99 | C+ | Above Average |
| 50.00-54.99 | 5.0-5.49 | C | Average |
| 40.00-49.99 | 4.0-4.99 | D | PASS |
| <40 | 0.00 | F | Fail |
| ---- | 0.00 | Ab | Absent |

A student obtaining Grade F shall be considered failed and is required to re-appear for SEE for that particular course. For non-credit courses 'Satisfactory' or "Not Satisfactory' 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

$$\textbf{SGPA } (S_i) = \Sigma(C_i \times G_i) / \Sigma C_i$$

Where **Ci** is the number of credits of the i$^{th}$ course and **Gi** 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.

$$CGPA = \Sigma(Ci \times Si) / \Sigma Ci$$

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): One and half ($1_{1/2}$) hour session per week is assigned one (1) credit(C).

For example, a theory course with a L-T-P schedule of 3-1-0 will be assigned four (4) credits (C).

| L | T | P | C |
|---|---|---|---|
| 3 | 1 | 0 | 4 |

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

| L | T | P | C |
|---|---|---|---|
| 3 | 0 | 0 | 3 |

A laboratory practical course with a L-T-P schedule of 0-0-3 will be assigned two (2) credits(C).

| L | T | P | C |
|---|---|---|---|
| 0 | 0 | 3 | 2 |

## PLAN OF STUDY OF I-VI SEMESTER OF M.CA. (CURRICULUM)

The plan of study from I-semester to VI-semester is furnished in the following tables.

### I- SEMESTER:

| S No | Course Code | Title of the Course | Scheme of Instruction Hours per week L/T | Scheme of Instruction Hours per week P/S | Duration of SEE in Hours | Maximum Marks CIE | Maximum Marks SEE | Credits |
|---|---|---|---|---|---|---|---|---|
| Theory | | | | | | | | |
| 1. | 16MC C101 | Core 1 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 2. | 16MC C102 | Core 2 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 3. | 16MC C103 | Core 3 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 4. | 16MB C128 | Core 4 (MEFA) | 3 | -- | 3 | 30 | 70 | 3 |
| 5. | 16EG C101 | Core 5 (ENG) | 3 | -- | 3 | 30 | 70 | 3 |
| Practical | | | | | | | | |
| 6. | 16MC C104 | Lab 1 | -- | 3 | 3 | 25 | 50 | 2 |
| 7. | 16MC C105 | Lab 2 | -- | 3 | 3 | 25 | 50 | 2 |
| 8. | 16EG C102 | Lab 3 (ENG) | -- | 3 | 3 | 25 | 50 | 2 |
| **Total** | | | **18** | **9** | | **225** | **500** | **24** |

CIE: Continuous Internal Evaluation   SEE: Semester End Examination   L: Lecture   T: Tutorial   P: Practical   S: Seminar

## II-SEMESTER

| S No | Course Code | Title of the Course | Scheme of Instruction Hours per week L/T | Scheme of Instruction Hours per week P/S | Scheme of Examination Duration of SEE in Hours | Scheme of Examination Maximum Marks CIE | Scheme of Examination Maximum Marks SEE | Credits |
|---|---|---|---|---|---|---|---|---|
| **Theory** | | | | | | | | |
| 1. | 16MC C106 | Core 6 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 2. | 16MC C107 | Core 7 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 3. | 16MC C108 | Core 8 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 4. | 16MC C109 | Core 9 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 5. | 16MC C110 | Core 10 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 6. | 16MT C102 | Core 11(P&S) | 3/1 | -- | 3 | 30 | 70 | 4 |
| **Practical** | | | | | | | | |
| 7. | 16MC C111 | Lab 4 | -- | 3 | 3 | 25 | 50 | 2 |
| 8. | 16MC C112 | Lab 5 | -- | 3 | 3 | 25 | 50 | 2 |
| | **Total** | | **24** | **6** | | **230** | **520** | **28** |

CIE: Continuous Internal Evaluation    SEE: Semester End Examination L: Lecture T: Tutorial P: PracticalS: Seminar

## III-SEMESTER

| S No | Course Code | Title of the Course | Scheme of Instruction Hours per week L/T | Scheme of Instruction Hours per week P/S | Scheme of Examination Duration of SEE in Hours | Scheme of Examination Maximum Marks CIE | Scheme of Examination Maximum Marks SEE | Credits |
|---|---|---|---|---|---|---|---|---|
| **Theory** | | | | | | | | |
| 1. | 16MC C113 | Core 12 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 2. | 16MC C114 | Core 13 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 3. | 16MC C115 | Core 14 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 4. | 16MC C116 | Core 15 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 5. | 16MB C04/ 16CE C03/ 16ME E20/ 16CE E21 | Open Elective | 3 | -- | 3 | 30 | 70 | 3 |
| **Practical** | | | | | | | | |
| 6. | 16MC C117 | Lab 6 | -- | 3 | 3 | 25 | 50 | 2 |
| 7. | 16MC C118 | Lab 7 | -- | 3 | 3 | 25 | 50 | 2 |
| 8. | 16MC C119 | Lab 8 | -- | 3 | 3 | 25 | 50 | 2 |
| | **Total** | | **19** | **9** | | **225** | **500** | **25** |

CIE : Continuous Internal Evaluation    SEE: Semester End Examination  L: Lecture  T: Tutorial  P: Practical  S: Seminar

## IV-SEMESTER

| S No | Course Code | Title of the Course | Scheme of Instruction Hours per week L/T | Scheme of Instruction Hours per week P/S | Scheme of Examination Duration of SEE in Hours | Scheme of Examination Maximum Marks CIE | Scheme of Examination Maximum Marks SEE | Credits |
|---|---|---|---|---|---|---|---|---|
| **Theory** | | | | | | | | |
| 1. | 16MC C120 | Core 16 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 2. | 16MC C121 | Core 17 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 3. | 16MC C122 | Core 18 | 3/1 | -- | 3 | 30 | 70 | 4 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4. | 16MC E101/ 102/103/ 104 | Elective-1 | 3 | -- | 3 | 30 | 70 | 3 |
| 5. | 16MC E105/ 106/107/ 108 | Elective-2 | 3 | -- | 3 | 30 | 70 | 3 |
| **Practical** | | | | | | | | |
| 6. | 16MC C123 | Lab 9 | -- | 3 | 3 | 25 | 50 | 2 |
| 7. | 16MC C124 | Lab 10 | -- | 3 | 3 | 25 | 50 | 2 |
| 8. | 16MC C125 | Mini Projects | -- | 3 | 3 | 25 | 50 | 2 |
| **Total** | | | **18** | **9** | | **225** | **500** | **24** |

CIE : Continuous Internal Evaluation    SEE: Semester End Examination  L: Lecture  T: Tutorial  P: Practical  S: Seminar

### V-SEMESTER

| S No | Course Code | Title of the Course | Scheme of Instruction | | Scheme of Examination | | | Credits |
|---|---|---|---|---|---|---|---|---|
| | | | Hours per week | | Duration of SEE in Hours | Maximum Marks | | |
| | | | L/T | P/S | | CIE | SEE | |
| **Theory** | | | | | | | | |
| 1. | 16MC C126 | Core 19 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 2. | 16MC C127 | Core 20 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 3. | 16MC C128 | Core 21 | 3/1 | -- | 3 | 30 | 70 | 4 |
| 4. | 16MC E109/ 110/111/112 | Elective – 3 | 3 | -- | 3 | 30 | 70 | 3 |
| 5. | 16MC E113/ 114/115/116 | Elective - 4 | 3 | -- | 3 | 30 | 70 | 3 |
| **Practical** | | | | | | | | |
| 6. | 16MC C129 | Lab 11 | -- | 3 | 3 | 25 | 50 | 2 |
| 7. | 16MC C130 | Lab 12 | -- | 3 | 3 | 25 | 50 | 2 |
| 8. | 16MC C131 | Seminar | -- | 3 | 3 | 50 | -- | 2 |
| **Total** | | | **18** | **9** | | **250** | **450** | **24** |

CIE : Continuous Internal Evaluation    SEE: Semester End Examination  L: Lecture  T: Tutorial  P: Practical  S: Seminar

### VI-SEMESTER

| S No | Course Code | Title of the Course | Scheme of Examination | | Credits |
|---|---|---|---|---|---|
| | | | Maximum Marks | | |
| | | | CIE | SEE | |
| 1. | 16MC C132 | Major Project Work | 100 | 100 | 12 |
| **Total** | | | **100** | **100** | **12** |

CIE : Continuous Internal Evaluation    SEE: Semester End Examination  L: Lecture  T: Tutorial  P: Practical  S: Seminar

**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 M.C.A degree:** Credit Requirement for the award of M.C.A. degree is 137**.**

## INDUSTRIAL TRAINING / INTERNSHIP / ON-LINE CERTIFICATION

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 |

Students are permitted to complete one online certification course through Massive Open Online Courses (MOOCs) offered by reputed Universities/ Government Organizations duly approved by the Head of the Department. The Credits allotted for the Certification course is one (1)/ Two (2) Credits and will be decided by the Head of the Department

The Industrial Training / Internship/ Online Certification Course is optional and the credits earned will be indicated in the Mark Sheet. However, credits earned due to Industrial Training/ Internship/ online Certification Course shall not be considered for dropping any course or in process of award of degree.

The student is allowed to undergo a maximum of 4 weeks Industrial Training / Internship during the entire duration of study, no credits will be allotted for the internship beyond four (4) weeks.

The detailed procedure is furnished in the **ANNEXURE– I** regarding the earning of credits by the student for **Industrial Training / Internship /On-line Certification.**

## INDUSTRIAL VISIT
Every student is required to go for at least one industrial visit during the Programme. The Heads of Departments shall ensure that necessary arrangements are made in this regard.

## DURATION OF THE PROGRAMMES
A student is normally expected to complete the M.C.A. Programme in Six (6) semesters but in any case not more than Twelve(12) 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 REVALUATION

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 one semester to another semester are furnished in the following table:

| Sl. No. | Semester | Conditions to be furnished |
|---|---|---|
| 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 26 credits |
| 3. | From III-Sem. to IV-Sem. | Regular course of study of III-Sem. |
| 4. | From IV-Sem. to V-Sem. | Students must have earned 52 credits of I& II Semesters and at least 24 credits of III & IV Semesters, making a total of 76 credits. |
| 5. | From V-Sem. to VI-Sem. | Regular course of study of V-Sem. |

## OVERALL MONITORING COMMITTEE

There shall be an overall monitoring committee for each semester of a programme which comprises of the Course Coordinators / Course teachers (as applicable), and Head of the 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) | CIE (Marks) | Semester End Examination (Marks) | Remarks | Duration of Semester End Examination |
|---|---|---|---|---|
| Three(3)Credits/ Four(4)credits | 30* | 70** | Theory Course | 3 Hours |
| Two(2) Credits | 25 | 50 | Lab Course / Mini project | 3 Hours |
| Two(2) Credits | 50 | --- | Seminar | --- |
| Twelve(12) Credits | 100 | 100 | Major Project Work | Viva |

* Out of 30 sessional marks, 10 marks are allotted for home assignments (at least two assignments must be given, which covers the entire syllabus of that particular course/subject), and the remaining 20 marks are based on the average of two tests (weightage for each test is 20 marks of one hour duration).The question paper for tests will be in two parts, Part-A and Part-B. Part A is compulsory and carries six (6) marks. Part-B carries fourteen (14) marks (student has to answer two out of three 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 10 marks. Part-B carries 60 marks and covers all the units of the syllabus (student has to answer five out of seven questions)

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 Semester End Examinations plus CIE shall be 40%.Where as for the lab course/project/mini project is 50%.**
**A course that has CIE but no semester end examination as per scheme, is treated as pass/fail for which pass marks are 50% CIE.**

## GUIDELINES FOR GENERAL SEMINAR
Oral presentation is an important aspect of technical education. The objective of the seminar is to prepare the student for a systematic and independent study of the state of the art topics in a broad area of his/her specialization.

Seminar topics may be chosen by the students with advice from the faculty members. Students are to be exposed to the following aspects of the seminar presentation.
- Literature Survey.
- Organization of the material.
- Presentation of PPTs.
- Technical writing.

Each student is required to submit one page of synopsis of the seminar talk two days before for display on the notice board. Give a 15 minutes presentation followed by 5 minutes discussions. Submit a report on the seminar topic with a list of references and slides used within a week. Seminars are to be scheduled in the 5th week of the semester. The sessional marks will be awarded to the students by at least two faculty members on the basis of an oral and written presentation as well as their involvement in the discussion.

## GUIDELINES FOR MAJOR PROJECT WORK

Sixth(Final) Semester of the MCA course is exclusively meant for Major Project work. Major Project Work has to be carried out by each student individually in a period of 15 weeks of duration. Students should submit a synopsis at the end of 2$^{nd}$ week in consultation with the Project Guide. The synopsis should consist of definition of the problem, scope of the problem and plan of action. After completion of eight weeks students are required to present a Project Seminar on the topic covering the aspects of analysis, design and implementation of the project work to the committee consisting of two faculty members of MCA department in the college along with a guide will evaluate the project and award internal marks.

At the end of the semester the students are required to present their project work before the External Committee for Vive-Voce examination, in which each student will be awarded with marks.

## RULES AND REGULATIONS OF ATTENDANCE

1.  The Degree of Master of Computer Applications will be conferred on a candidate who has pursued a 'Regular Course of Study' for six semesters as prescribed and has earned the required credits.

2. i)  A regular course of study for eligibility to appear the M.C.A end examination of any semester shall mean having attendance not less than 75% in that semester.
   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 be availed once during the course of study.
   iii)  The attendance shall be calculated from the date of commencement of classes as per the almanac communicated by the Chaitanya Bharathi Institute of Technology (Autonomous).

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.  If a candidate fails to maintain a minimum of 40% attendance in the first semester following admission, he/she shall forfeit his/her seat in the course and the admission automatically stands cancelled.

5.  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, and Hyderabad.

## SEMESTER END EXAMINATION

(a) All examinations shall be held at Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad.

(b) Applications for permission to appear at a Semester Examinations shall be made on the prescribed form along with the necessary certificates regarding attendance, practical work, etc., and the prescribed fee.

(c) When a candidate's application is found in order and he/she is found eligible to appear at the Semester Examination, the Controller of Examinations (CoE) shall furnish him/her with a Hall Ticket for the Examination and this hall ticket shall be produced by the candidate before he/she can be admitted into the Examination Hall.

(d) A candidate who fails to present himself / herself for the Examination for any reason whatsoever, excepting shortage of attendance or who fails to pass the Examination shall not be entitled to claim refund of the whole or part of the Examination fee nor for the reservation of the same be held at the end of each semester only in the subjects offered during that semester.

(e) The semester Examinations shall be held at the end of each semester only in the subjects registered during that semester.

(f) A student shall appear for the Semester end Examination at the end of each semester only in the subjects registered during that semester.

(g) A candidate who has been allowed to appear for the semester end Examination may be permitted to re-appear in that subject in case if the candidate is failed in that subject on the subsequent semesters.

(h) 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.

## 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 M.C.A., 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 six (6) **semesters** within a maximum period of Twelve (**12) semesters** 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 and no disciplinary action pending against the student.

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

**Award of Division:**

| CGPA | Division |
|------|----------|
| 8  and above | First Class with Distinction |
| 6.5 and less than 8 | First division |
| 5.5  and less than 6.5 | Second division |
| 4 and less than 5.5 | Pass division |

**Award of Gold Medal:**

A student securing highest CGPA in single attempt is eligible for award of Gold Medal in the course of study of M.C.A.

**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 M.C.A 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.

**Industrial Training / Internship/ Online Certification Course**

**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 and for Online Certification:**

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/ Online Certification Course, with the details of the industry/organisation/ Online Certification Course.

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

3.  Student has to obtain a written permission from the concerned Head of the Department for carrying out Online Certification Course.

4.  On Completion of Industrial Training / Internship/ Online Certification Course by the student, the student is required to submit the following to the respective department.

    Course Completion certificate from the industry/ organization/Online Certification Authorities.

    Hardcopy of the report in a standard format which is prescribed by the department

5.  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 are awarded as follows:-

**(Maximum :50 Marks, in case of four weeks Industrial Training / Internship/ Online Certification Course, 25 Marks, in case of two weeks Industrial Training / Internship/ Online Certification Course)** are to be awarded on the following aspects

| Description | For Four(4) weeks Duration Max. Marks | For Two(2) weeks Duration 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/ Online Certification Course 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.**

**-oOo-**