

PSG COLLEGE OF TECHNOLOGY: COIMBATORE - 641 004

(Autonomous college affiliated to Anna University, Chennai)

2023 REGULATIONS FOR MCA DEGREE PROGRAMME

(For the batches of students admitted in 2023-2024 and subsequently under Choice Based Credit System)

NOTE: The regulations hereunder are subject to amendments as may be made by the Academic Council of the College from time to time. Any or all such amendments will be effective from such date and to such batches of students (including those already in the middle of the programme) as may be decided by the Academic Council.

1 a. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In the following Regulations, unless the context otherwise requires

- (i) **“Programme”** means Degree Programme that is **MCA Degree Programme**.
- (ii) **“Course”** means a theory or laboratory course that is normally studied in a semester.
- (iii) **“University”** means **Anna University, Chennai**.

b. CONDITIONS FOR ADMISSION

Students for admission to the first semester of the MCA degree is as detailed in para 3 infra.

2. DURATION OF THE PROGRAMME

- (i) **Minimum Duration:** The programme will extend over a period of two academic years leading to the Degree of Master of Computer Applications of the Anna University, an academic year being divided into two semesters. Each semester shall normally consist of 90 working days including examination days.
- (ii) **Maximum Duration:** The student shall complete the MCA degree programme in 2 years (4 semesters) but in any case not more than 4 years; these durations being reckoned from the commencement of the semester to which the student was first admitted to the programme.

3. QUALIFICATION FOR ADMISSION

The eligible qualifications for admission to MCA degree programme is as follows.

Department	Programme offered	Duration	Eligible Qualification for Admission (Note 1)	Minimum Credits (Note 2)
Computer Applications	MCA	2 years	Passed B.C.A. / B.Sc. (Computer Science)/ B.Sc. (IT) / B.E. (CSE)/ B.Tech. (CSE) / B.E. (IT) / B.Tech. (IT) or equivalent Degree. OR Passed any graduation degree (e.g.: B.E. / B.Tech. / B.Sc. / B.Com. / B.A./ B. Voc./ etc.,) preferably with Mathematics at 10+2 level or at Graduation level Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination. (for students having no Mathematics background, compulsory bridge course will be framed by the respective University/ Institution and additional bridge courses related to computer subjects as per the norms of the concerned University).	80

Note: Eligible Qualification is subject to amendments as may be made by the University from time to time.

4. STRUCTURE OF THE PROGRAMME

- (i) The course work of the odd semesters will normally be conducted only in odd semesters and that of the even semesters only in even semesters.
- (ii) **Curriculum:** The curriculum for MCA programme includes courses of study and detailed syllabi. The courses of study will comprise as listed in section 13 infra in accordance with the prescribed syllabi. The hours / week listed in section 13 infra for each of the course refer to periods / week.

Every student will normally undergo the courses of his/her programme given in Section 13 infra in various semesters as shown below:

Semester 1: Five theory courses, two laboratory courses, one application development course.

Semester 2: Four theory courses, one elective theory course, one laboratory course, one application development course and a Professional communication and personality development course.

Semester 3: One theory course, four elective theory courses, one laboratory course, one mini project and one Audit course.

Semester 4: Project Work.

- (iii) **Core Courses:** Every student shall undergo ten core courses (Theory) and five professional elective courses as given in section 13 infra.
- (iv) **Laboratory Courses:** Every student shall undergo four laboratory courses as given in section infra 13. Every laboratory course shall be evaluated based on conduct of experiments / exercises, lab tests, mini projects / development of software packages and report submitted.

- (v) **Mini Project:** Every student will be required to undertake Mini Project in industry / research organization/department in consultation with the Head of the Department and the tutor starting from the vacation immediately following the second semester not less than four weeks. The student shall submit Mini project report highlighting the summary of the work in an appropriate format at the end of third semester on dates announced by the College / Department. A student shall register for the Mini Project in third semester.
- (vi) **Project Work:** Every student shall be required to undertake a suitable project in industry / research organization/department in consultation with the Head of the Department and the faculty guide and submit the project report thereon at the end of the semester in which the student registered, on dates announced by the College/Department. A student shall register for the Project Work in fourth semester.
- (vii) **Application Development Courses:** Every student shall be required to undergo application development courses in semester one and two namely Web Application Development and Mobile Application Development respectively.
- (viii) **Audit Course:** Every student shall undergo one audit course in third semester as given in section infra 13. This course is for the purpose of self-enrichment and academic exploration. There is no requirement on minimum number of credits to be earned for this category of courses but a pass is mandatory. The students will be evaluated by a committee of the faculty members of the department and the Completed/Not completed will be transferred to grade sheet. However, assessment is not included in the computation of CGPA.
- (ix) **Electives:** Every student shall opt electives from the list of electives as given in section 13 in consultation with the Tutor, Programme Coordinator and the HoD. The student will be required to study 5 professional elective courses spread over 2nd and 3rd semesters. Elective V should be selected only from the courses as specified in section infra 13.
- (x) **Online Courses (SWAYAM based NPTEL, GIAN, Coursera, Edx):** Students can register and earn credits for online courses approved by department committee consisting of HoD, Programme Coordinator, Tutor and Subject Expert. Students who complete relevant online courses (having 3 credits only) successfully to a maximum of 6 credits may obtain exemption from studying two Professional Electives. The list of online courses is to be approved by Chairman Academic Council on the recommendation of HoD at the beginning of the semester if necessary, subject to ratification in the next Academic council meeting. For earning credits through online courses, students will be evaluated within the institute as well and will be recommended grades based on the scheme of evaluation given in Section 8, xi) g and grading system given in Section 8, vii) c. Candidates may do online courses for exemption from studying professional elective during second semester and third semester. Any online course undergone by a student during break of study period shall not be considered for exempting a professional elective/open elective course.
- (xi) **Self Study Courses:** A student without current reappearance courses and /or redo courses can opt for one course as a Self Study course, which may be either an Open Elective or a Professional Elective by getting prior approval from the HoD who will nominate a faculty for the periodic monitoring and evaluation of the course.

- (xii) **One Credit Courses:** Students can also opt for industry oriented one credit courses of 15 hours duration which will be offered by experts from industry / other institution / our faculty on specialized topics apart from the prescribed courses of study of the programme. Students can complete such one credit courses during the semester one to three as and when these courses are offered by the Department. There is no limit on the number of one credit courses a student can register and successfully complete during the above period. If a student wishes to avail exemption of one professional elective, he/she can do so by exercising his/her option in writing to the respective Head of the Department during the beginning of the third/ fourth semester (i.e., semester 3/4) by following the equivalence norm that one professional elective is equivalent to three one credit courses completed by the student. The grades of the students completing the one credit courses will be finalized based on absolute grading system listed in 8 (vii) (b) infra. The grades earned by the students for the one-credit courses which are not opted for conversion into an elective, will not be included in the computation of CGPA.

However number of professional electives for which the student seeks exemption in having studied online courses and/or one credit course shall not exceed two under any circumstance

- (xiii) **Bridge Courses:** For students having no Mathematics background, compulsory bridge courses will be framed related to computer subjects. Such students will undergo bridge courses at the beginning of first and second semester for 20 hours in each semester. Bridge courses are designed to provide supplementary knowledge as a prerequisite for the courses to be offered later during the course of study. The topics will be reckoned time to time as and when required.

(xiv) **Course Enrollment and Registration**

- a) Each student, on admission shall be assigned to a Tutor who shall advise 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.
- b) Each student on admission shall be registered automatically for all the courses of the first semester of study prescribed in the curriculum.
- c) From second semester onwards, a student has the option to drop a maximum of two theory courses except Professional Core Courses in a semester and a student has the option to study additionally two theory courses which shall be professional electives. The maximum number of credits the student can register in a particular semester shall not exceed 30 credits including courses for which the student has registered for redoing.
- d) In case of a student dropping a course of study (other than professional core courses) in one semester, he/she shall register for that course in the next given opportunity and earn necessary attendance in that course exclusively to become eligible to appear for the semester examination in that course.
- e) The courses to be offered in a semester for candidates who need to reappear (as per 5 (iii)(a) infra) or having attendance shortage etc., will be decided by HoD.
- f) After registering for a course, a student shall attend the classes, satisfy the attendance requirements, earn Continuous Assessment marks and appear for the end semester examinations.

The enrollment for all the courses of the Semester II will commence ten working days prior to the last working day of Semester I. The student shall confirm the enrollment by registering for the courses within the first five working days after the commencement of the Semester II.

The enrollment for the courses of the Semesters III to IV will commence ten working days prior to the last working day of the respective preceding semester. The student shall enroll for the courses with the guidance of the Tutor. If the student wishes, the student may drop or add courses subject to eligibility within five working days after the commencement of the concerned semester and complete the registration process duly authorized by the Tutor.

- (xv) **Credit assignment:** Each course is assigned certain number of credits based on the following:

Contact Period per week	Credits
One Lecture Period	1
One Tutorial Period	1
Two Practical Periods (Laboratory / Project Work / etc.)	1
Audit course	No Credits

The Contact Periods per week for Practical shall be in multiples of 2. The exact number of credits assigned to the different courses is shown in section 13 infra.

- (xvi) **Minimum credits:** For the award of the degree, the student shall earn the minimum number of credits as shown in section 3 supra by passing the prescribed number of courses of study as shown in section 13 infra.

- (xvii) **Medium of instruction:** The medium of instruction, examinations, project report etc. shall be in English.

5. REQUIREMENTS OF ATTENDANCE AND PROGRESS

- (i) A student will be qualified to appear for end semester examinations in a particular course of a semester only if
- he / she has satisfied the attendance requirements as per the norms given below:
Shall secure not less than 75% attendance in that course
- If a student secures attendance 65% or more but less than 75% in any course in the current semester due to medical reasons (hospitalization / accident / specific illness) or due to participation in the College / University / State / National / International level Sports events with prior permission from the Chairman, Sports Board and Head of the Department concerned, the student shall be given exemption from the prescribed attendance requirement and the student shall be permitted to appear for the end semester examination of that course.
- his / her progress has been satisfactory and
 - his / her conduct has been satisfactory.
- (ii) A student shall normally be permitted to appear for End semester examination of the course if the student has satisfied the attendance requirements (vide Clause 5 (i) supra) and has registered for examination in those courses of that semester by paying the prescribed fee.
- (iii) a) Students who do not satisfy clause 5 (i) supra will not be permitted to appear for the End-semester Examination / Evaluation of that course. The student has to register and redo that course in a subsequent semester when it is offered next, earn necessary attendance and CA mark and appear for end semester examinations.
- If the total number of "Redo" courses at the end of any semester is more than TWO, the student will not be eligible to register for next immediate semester courses.
Such students will be permitted to register for those semester courses only when offered next, subject to fulfillment of the above condition.
- (iv) A student who has already appeared for a course in a semester and passed the examination is not entitled to reappear in the same course for improvement of letter grades / marks.

- (v) In respect of students who complete a part of the academic programme either one or two semesters under the student exchange scheme in approved foreign Universities, the transfer of credits of equivalent courses completed by them in the foreign university will be permitted; and in the case of the remaining courses of the appropriate semester(s) which they have not studied as per respective regulation, they shall register for those courses within a maximum of two immediate subsequent semesters on a self-study basis. Such an appearance of the student in those courses will be treated as first appearance for the purpose of classification. (Vide sections infra 10 (A,B,C &D)).
- (vi) In case of Mini Project, the student is expected to attend the presentations I and II to appear for the final evaluation and viva voce examination. Such students who have not appeared for both presentations will have to redo the course in the subsequent semester. The student shall be evaluated and awarded grades as mentioned in section 8(vii)(b) infra.

6. DISCIPLINE

- (i) Every student is required to observe disciplined and decorous behavior both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the college. The Head of the Institution shall constitute a disciplinary committee to enquire into acts of indiscipline and notify the punishment.
- (ii) If a student indulges in malpractice in any of the examinations, he / she shall be liable for punitive action as decided by the Board of Examiners.

7. PROCEDURE FOR REJOINING THE PROGRAMME

A student who desires to rejoin the programme after a period of discontinuance or who upon his/her own request is permitted by the authorities to repeat the study of any semester, may join the semester which he/she is eligible or permitted to join, only at the time of its normal commencement for a regular batch of students and after obtaining the approval from the University and Commissioner of Technical education. No student will however be enrolled in more than one semester at any time.

8. ASSESSMENT AND PASSING REQUIREMENTS

- (i) **Assessment:** The assessment will comprise of either Final Examination (FE) for 50 marks and Continuous Assessment (CA) for 50 marks OR Continuous Assessment for 100 marks as specified in the scheme in section 13 infra. The Continuous Assessment (CA) marks will be awarded on assessing the student continuously during the semester as per guidelines 8(xi) infra. For Theory courses, the CA marks will be scaled down from 50 to 40 marks and the Final Examination (FE), which will be conducted for 100 marks, will be scaled down to 60 marks and the total being 100 marks (CA 40 +FE 60). For Laboratory courses and Project work, the Continuous Assessment (CA) marks will be scaled up from 50 to 60 marks and the Final Examination (FE) marks which will be conducted for 50 marks will be scaled down to 40 marks. The award of grades for a course will be done on Relative Grading System or on Absolute Grading System as specified in section 8(vii) supra.
- (ii) **Final Examinations:** Final examinations will normally be conducted during October / November and during March / April of each year. Reappearance examinations may be conducted at such times as may be decided by the college.

A student will be permitted to appear for the final semester examination in a course only if he/she has completed the study of that course.
- (iii) **Mini Project:** Every student shall submit a report on Mini Project on dates announced by the department. If a student fails to submit the report on Mini Project on or before the specified date, he / she shall be deemed to have failed in it.

The student shall also make a presentation about the progress of the Mini Project during the appropriate semester. The progress of work shall be presented before a review committee constituted by the HoD.

The Mini Project will be evaluated based on the work done, presentations, report and a viva-voce examination. The viva-voce examination will be carried out by a team of faculty constituted by the HoD.

- (iv) **Laboratory Courses:** Every laboratory course shall be evaluated based on conduct of experiments / exercises / miniprojects / development of software packages and reports.
- (v) **Application Development Courses:** Every application development course shall be evaluated based on completion of exercises / miniprojects / development of software packages and reports.
- (vi) **Project Work:** Every student shall submit a report on Project Work on dates announced by the Principal through the faculty guide to the HoD. If a student fails to submit the report on Project Work on or before the specified date, he/she shall be deemed to have failed in it.

The student shall also make a presentation about the progress of the Project work during the appropriate semester. The progress of work shall be presented before a review committee constituted by the HoD.

The Project Work will be evaluated based on the presentations, report and a viva-voce examination. The viva-voce examination will be carried out by a team consisting of an internal examiner, usually the faculty guide and an external examiner, appointed by the Principal.

- (vii) **Grade and Grade Point:** Each student, based on his / her performance, will be awarded a final letter grade and grade point as given below for each course at the end of each semester by following relative grading system and absolute grading system.

a. Relative Grading System

In this system, the grades are awarded to the students based on their performance relative to others in Theory courses having Continuous Assessment (CA) and Final Examination (FE) components.

For each theory course, the total mark M [i.e., the sum of Continuous Assessment marks (CA) and Final examination marks (FE)] is computed for every candidate.

The students who secure a mark as detailed below are declared as fail (RA) in a theory course.

Marks scored in FE is less than 45%	Grade :
(or)	RA
M less than 50% of total marks	

Note:

- “RA” denotes Reappearance in a course

After omitting the marks (M) of all failed students, if the number of students who have passed in a course is more than 30, Relative Grading system shall be followed and if it less than or equal to 30, Absolute Grading System shall be followed. For awarding grades by Relative Grading System, the software developed by Anna University shall be used and it normalizes the result data by using BOX-COX transformation method.

Then letter grade and grade point to each student are awarded as given in the table below.

Letter Grade	Grade Points
O (Outstanding)	10
A + (Excellent)	9
A (Very Good)	8
B + (Good)	7
B (Average)	6
C (Satisfactory)	5
RA (Re-appearance)	0
SA (Shortage of Attendance)	0
W (Withdrawal)	0

b. Absolute Grading System

If the number of students registered for a particular theory course or if the number of students who have passed a particular theory course is less than or equal to 30, absolute grading system will be followed. In absolute grading system, the letter grade and grade points are awarded to each student based on the percentage of marks secured by him/her in all courses like Laboratory courses, Application development courses, Professional communication and personality development , One Credit courses, Mini Project , Project Work etc. except theory courses having CA and FE components, as detailed below.

Letter Grade	Mark Range	Grade Point, g
O	91 - 100	10
A+	81 - 90	9
A	71 - 80	8
B+	61 - 70	7
B	56 - 60	6
C	50 – 55	5
RA	< 50	0
W(Withdrawal)	0	0

- "RA" denotes Reappearance in a course.

The grades RA and SA will not figure in the grade sheet.

Shortage of Attendance	SA
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- c. **For Online courses** the following grading pattern is applicable in case of credit transfer and CGPA calculations.

Letter Grade	Mark Range	Grade Point, g
O	91 - 100	10
A+	81 - 90	9
A	71 - 80	8
B+	61 - 70	7
B	56 - 60	6
C	50 – 55	5
RA	< 50	0
W(Withdrawal)	0	0
SA (Shortage of Attendance)	0	0

(viii) **Cumulative Grade Point Average:** After the completion of the programme, the Cumulative Grade Point Average (CGPA) from the first semester to final semester is calculated using the formula.

$$CGPA = \frac{\sum g_i * C_i}{\sum C_i}$$

where g_i is Grade point secured for i^{th} course
 C_i is Credit allotted for i^{th} course

(ix) **Passing a course:**

- a. A student shall be deemed to have passed a theory course, a laboratory course and Project Work with CA and FE components. if
 - i. he/she secures at least 45% of the total marks in the final examination and
 - ii. he/she secures not less than 50% of total marks [CA and FE put together] prescribed for the course shall be declared to have passed the course and acquired the relevant number of credits.

A student is deemed to have passed in any course carrying only Continuous Assessment marks if the total mark secured by him/her is at least 50% of total marks

- b. A student who is absent or has failed in the semester end examinations in any theory course has to register for the subsequent examination in that theory course when it is offered next time, either by retaining or by not retaining the CA marks already earned.
 - i. A student who chooses to register as retaining CA may continue to appear for further appearances in that option or at any time can switch over to the option not retaining CA.
 - ii. A student who chooses the option as not retaining CA shall have to continue to register for further appearances in that option only till he/she obtains a pass. In such case, the maximum grade that will be awarded to the students who appear in the Reappearance Examination will be capped at "A"

- iii. For students who chooses the option of not retaining CA, the following grading pattern is applicable

Range of percentage of total marks	Letter grade
71 to 100	A
61 to 70	B+
56 to 60	B
50 to 55	C
0 to 49 or less than 45% in final examination	RA

- c. A student who after having earned necessary attendance, is absent for final end semester examination or has failed in any course carrying only CA marks (Mini Project, Application development courses etc.) will register for the Reappearance examinations immediately at the beginning of the next semester and solely assessed in the final examination carrying the entire marks of that course.
- d. A student who has earned necessary attendance in the course Project work but does not submit the report on Project Work on or before the date specified by the college / department, he/she shall be deemed to have failed in the Project work and awarded grade RA and will have to register for the same at the beginning of the subsequent semester, redo and submit the project report at the end of that semester and appear for the final examination, the CA mark earned afresh.
- e. A student who has earned necessary attendance in the course Project work but whose project report is not accepted for reasons of incompleteness or other serious deficiencies will be treated as 'absent' and will have to register for the same at the beginning of the subsequent semester, redo and submit the project report at the end of that semester and appear for the final examination, the CA mark earned afresh.
- f. A student who has submitted the report on Project Work, but could not appear for the final examination on the scheduled date, shall be deemed to have failed in the Project work and awarded grade RA and will have to register for the same at the beginning of the subsequent semester, Redo and submit the project report at the end of that semester and appear for the final examinations, the CA mark earned afresh. The same shall be applicable also to candidates who fail in the Project work
- g. If a student is absent or has failed in an elective course, he/she may register for the same course or for any other elective in the subsequent semester.
- h. A student who is not eligible to write the end semester examination in any course due to lack of attendance, will be awarded grade SA and the student has to register for that course again, when offered next, attend the classes and fulfill the attendance requirements as per section 5 supra. If the course, in which the student has lack of attendance, is a Professional Elective, the student may register for the same or drop that course and register for any other Professional Elective course in the subsequent semesters.
- i. Except Professional Core courses, a student after registering for a course may withdraw the same between first & second CA Test on valid reasons.
- j. Out of the required five professional electives to be studied, students shall study a minimum of three professional electives from the list of Professional electives prescribed in their scheme of examinations without fail and can study the remaining two professional electives either from the list of electives prescribed in the scheme or as self study or as online courses/special courses by obtaining equivalence or by studying required number of One Credit Courses etc.

In the case of the student completing more than five professional elective courses totally four Professional Electives with highest grade among all Professional Electives studied under the scheme and one course with next highest grade among all remaining courses will be

considered for calculation of CGPA; however the grades obtained in all other left over courses will also appear in the grade sheet.

- k. If a student who has registered for a one credit course does not clear the same successfully, it will be treated on par with a course 'withdrawn' by a student. One credit courses will be evaluated by the course instructor / department faculty concerned and will carry a total of 100 marks for continuous assessment; out of which 75 marks will be for final test to be scheduled by the course instructor / department faculty concerned.
- l. A student who is absent in the final semester examination of a course after registering for the same will be considered to have appeared and failed in that examination and awarded grade RA.

(x) Reappearance Examinations:

For Reappearance Examinations/ Examinations for any course under REDO category, absolute grading will be followed irrespective of whether the grading was originally under Relative Grading System or Absolute Grading System.

(xi) Scheme of Evaluation

a. Theory Courses (CA: 50% + FE: 50%) (all semesters) Total: 100 Marks

• **CA Distribution:**

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|--|----------|
| (i) Assignment Presentation | 15 Marks |
| (ii) Package Development / Tutorials (Minimum 2) | 15 Marks |
| (iii) Internal Tests:(Average of two tests) | 20 Marks |
| • Test I 20 Marks | |
| • Test II 20 Marks | |
| • Final Exam (FE) | 50 Marks |

b. Laboratory Courses (CA : 50% + FE:50%) (all semesters) Total: 100 Marks

• **CA Distribution:**

- | | |
|--------------------------------|----------|
| (i) Test I | 25 Marks |
| (ii) Test II | 25 Marks |
| (iii) Final Examination | |
| a) Lab examination | 40 Marks |
| b) Viva voce | 10 Marks |

c. Mini Project (CA : 100%) Total: 100 Marks

• **CA Distribution:**

- | | |
|---|----------|
| (i) Presentation - I | 20 Marks |
| • Guide | 10 Marks |
| • Committee ^{\$} | 10 Marks |
| (ii) Presentation - II | 30 Marks |
| • Guide | 15 Marks |
| • Committee ^{\$} | 15 Marks |
| (iii) Project Report Evaluation & Viva Voce | 50 Marks |
| • Guide | 25 Marks |
| • Committee ^{\$} | 25 Marks |

d. Project Work (CA: 50% + FE: 50%)**Total: 100 Marks**

- **CA Distribution:**

(i) Review - I		25 Marks
• Guide	15 Marks	
• Committee\$	10 Marks	
(ii) Review II		25 Marks
• Guide	10 Marks	
• Committee\$	15 Marks	

- **Final Examination (FE)** 50 Marks

• External	25 Marks
• Thesis Evaluation	10 Marks
• Presentation & Viva Voce	15 Marks
• Internal	25 Marks
• Thesis Evaluation	10 Marks
• Presentation & Viva Voce	15 Marks

e. Audit Course (CA: 100%)**Total: 100 Marks**

(i) Assessment – I	50 Marks
(ii) Assessment – II	50 Marks

f. Application Development courses (CA: 100%)**Total : 100 Marks**

- **CA Distribution:**

(i) Test I	25 Marks
(ii) Test II	25 Marks
(iii) Application Development Evaluation	
a) Analysis, design evaluation #	25 Marks
b) Demo, Report evaluation and viva Voce #	25 Marks

#guide – 10 marks and committee – 15 marks

g. Online courses (CA: 50% + FE: 50%)**Total: 100 Marks**

- **CA Distribution:**

For courses with one credit

(i) Internal Tests (to be conducted within the institute)	
Test 1 (to be conducted at the end of the course)	50 Marks

For courses with two/three credits

(i) Internal Tests (to be conducted within the institute)	
(ii) Average of two tests	50 Marks
Test I (conducted for 50 marks)	50 marks
Test II (conducted for 50 marks)	50 Marks

Final Examination (FE)	
(to be conducted within the institute)	50 Marks

\$ - In respect of Application Development courses, Mini Project and Project Work carried out and reviewed in the department, the reviewing committee shall comprise of at least three faculty including internal guide nominated by the HoD.

In respect of Project Work carried out in industry, the committee nominated for the second review at industry shall include one faculty deputed by the HoD and one mentor from the respective industry.

9. QUALIFYING FOR THE AWARD OF DEGREE

A student will be declared to have qualified for the award of the MCA degree provided

- (i) the student has successfully completed the course requirements and has passed all the prescribed courses of study of the respective programme listed in section 13 infra within the duration specified in section 2(ii) supra and earned the total number of credits as specified in the curriculum of the respective programme of study. However, if the student wishes, he / she may be permitted to earn more than the total number of credits prescribed in the curriculum of his / her programme.
- (ii) no disciplinary action is pending against the student.

10. CLASSIFICATION OF DEGREE

A) FIRST CLASS WITH DISTINCTION:

A student who satisfies the following conditions shall be declared to have passed the examination in First class with Distinction.

- Should have passed the end semester examination in all the courses of all the four semesters in his/her First appearance within three years, which includes authorized break of study of one year. Withdrawal from examination (vide clause 11) will not be considered as an appearance.
- Should have secured a CGPA of not less than 8.50.
- One year authorized break of study (if availed of) is included in the three years for award of First class with Distinction.
- Should not have been prevented from writing end semester examination due to lack of attendance in any of the courses.

B) FIRST CLASS:

A student who satisfies the following condition shall be declared to have passed the examination in First Class.

- Should have passed the examination in all the courses of all four semesters within three years.
- One year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of three years for award of First class.
- Should have secured a CGPA of not less than 6.5

C) SECOND CLASS:

All other students (not covered in clauses A and B) who qualify for the award of the degree shall be declared to have passed the examination in Second Class.

D) RANK:

A student shall be eligible for award of ranking only if he/she has passed the examination in first class with distinction or first class in having passed all the courses in first attempt. Those who have availed the provision of break of study / withdrawal will not be eligible for rank.

11. WITHDRAWAL FROM EXAMINATION

- (i) A student may, for valid reasons, be granted permission to withdraw from appearing for the examination in any course or courses of only one semester if he/she does not have any history of arrears at the time of request for withdrawal. Prior permission for withdrawal from semester examinations is to be obtained from Principal. Also, only one application for withdrawal is permitted for that semester examination in which withdrawal is sought. Withdrawal may be granted only once during one semester examination throughout the period of study what so ever the reasons may be.
- (ii) Withdrawal application shall be valid only if the student is otherwise eligible to write the examination and if it is made prior to the commencement of the examination in that course or courses and also recommended by the Head of the Department.

12. TEMPORARY BREAK OF STUDY

- (i) Under Choice Based Credit System, students will have the provision to take a break of study at the beginning of a semester to re-do and complete the arrear courses of previous semesters or on valid reasons (such as accident or hospitalization due to prolonged ill health) and rejoin the programme in a semester which he/she is eligible and he/she shall apply to the Principal through the Head of the Department stating the reasons therefore.
- (ii) A student permitted for break of study shall rejoin the programme at the respective semester as and when it is offered after the break subject to the approval of Commissioner of Technical Education and Anna University, Chennai and shall be governed by the rules and regulations in force at the time of rejoining.
- (iii) The duration specified for passing all the courses for the purpose of classification (vide sections 10 supra) shall be increased by the period of such break of study permitted.
- (iv) The total period for completion of the programme reckoned from the commencement of the semester to which the student was first admitted shall not exceed the maximum period specified in section 2 (ii) supra irrespective of the period of break of study in order that he/she may be qualified for the award of the degree.
- (v) If any student is detained for want of requisite attendance, progress and conduct, the period spent in that semester shall not be considered as permitted 'Break of Study' and section 12 (iii) supra is not applicable for such cases.