MALLA REDDY (MR)
(DEEMED TO BE UNIVERSITY)

ACADEMIC REGULATIONS

For

M.C.A. Two Year Degree Programme

(MR25 Regulations)

Effective from the Academic Year 2025-26 onwards

MALLA REDDY (MR) Deemed to be University

Recognised Under Section 2 of The UGC Act, 1954, Vide Notification No.9-5/2025-U.2(A) by
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MALLA REDDY (MR) DEEMED TO BE UNIVERSITY

ACADEMIC REGULATIONS (CBCS)FOR
M.C.A. (REGULAR) DEGREE PROGRAMME

Applicable for the students of M.C.A. (Regular) programme admitted from the Academic Year *2025-26* onwards

The M.C.A. Degree of MALLA REDDY (MR) Deemed to be University, Hyderabad shall be conferred on candidates who are admitted to the programme and who fulfill all the requirements for the award of the Degree.

VISION OF THE INSTITUTE

- To be a premier center of professional education and research, offering quality programs in a socio-economic and ethical ambience.

MISSION OF THE INSTITUTE

- To impart knowledge of advanced technologies using state-of-the-art infrastructural facilities.
- To inculcate innovation and best practices in education, training and research.
- To meet changing socio-economic needs in an ethical ambience.

PROGRAMME OUTCOMES (POs)

PO 1	**Foundation Knowledge:** Apply knowledge of mathematics, programming logic and coding fundamentals for solution architecture and problem solving.
PO 2	**Problem Analysis:** Identify, review, formulate and analyse problems for primarily focussing on customer requirements using critical thinking frameworks.
PO 3	**Development of Solutions:** Design, develop and investigate problems with as an innovative approach for solutions incorporating ESG/SDG goals.
PO 4	**Modern Tool Usage:** Select, adapt and apply modern computational tools such as development of algorithms with an understanding of the limitations including human biases.
PO 5	**Individual and Teamwork:** Function and communicate effectively as an individual or a team leader in diverse and multidisciplinary groups. Use methodologies such as agile.

PO 6	**Project Management and Finance:** Use the principles of project management such as scheduling, work breakdown structure and be conversant with the principles of Finance for profitable project management.
PO 7	**Ethics:** Commit to professional ethics in managing software projects with financial aspects. Learn to use new technologies for cyber security and insulate customers from malware
PO 8	**Life-long learning:** Change management skills and the ability to learn, keep up with contemporary technologies and ways of working.

1. **MALLA REDDY (MR) Deemed to be University** offers Two Years (Four Semesters) Bachelor of Computer Applications (M.C.A.) with Choice Based Credit System (CBCS) from the academic year 2026-27.

S. No.	Branch	Intake
1	Master of Computer Applications	60

2. Eligibility for Admission

2.1 Admission to the M.C.A. programme shall be made either on the basis of the merit rank obtained by the qualifying candidate in common entrance test conducted by the University or on the basis of any other order of merit approved by the University, subject to reservations as prescribed by the UGC, AICTE, Government of India from time to time.

2.2 The medium of instructions for the entire M.C.A. programme will be English only.

2. M.C.A. Programme Structure & Duration of Study

2.1 A student after securing admission shall complete the M.C.A. programme in a minimum period of **two academic years** (4 Semesters) and a maximum period of four academic years starting from the date of commencement of first semester, failing which student shall forfeit a seat in M.C.A. course. Each student has to secure a **minimum of 120 credits out of 128 credits** for successful completion of the undergraduate programme and award of the M.C.A. degree. Each student shall secure 120 credits (with CGPA ≥ 5) required for the completion of the M.C.A. programme and award of the M.C.A. degree

2.2 UGC/ AICTE specified Definitions/ Descriptions are adopted appropriately for various terms and abbreviations used in these Academic Regulations/ Norms, which are as listed below.

2.2.1 Semester Scheme:

Each M.C.A. programme is of 2 academic years (4 Semesters), with the academic year being divided into two semesters of 18 weeks (≥90 instructional days). In each semester, there shall be **'Continuous Internal Evaluation (CIE)'** and **'Semester End Examination (SEE)'** under Choice Based Credit System (CBCS) and Credit Based

Semester System (CBSS) as indicated by UGC. The Curriculum/ Course Structure is defined based on the model curriculum defined by AICTE.

2.2.2 Credit Courses:

All Subjects/ Courses are to be registered by a student in a semester to earn credits. Credits shall be assigned to each Subject/ Course in a L: T: P: C (Lecture Periods: Tutorial Periods: Practical Periods: Credits) Structure, based on the following general pattern.

- One Credit - for one hour/ Week/ Semester for Theory/ Lecture (L) courses or Tutorials (T).
- One Credit - for two hours/ Week/ Semester for Laboratory/ Practical's (P) courses.

Courses like Indian Knowledge System, Life Skills, Universal Human Values, Environmental Sciences, Induction Programme, Constitution of India, Intellectual Property Rights, Gender Sensitization and students' activities like Internship are identified as Mandatory/Audit courses. These courses will not carry any credits.

2.2.2 Subject/ Course Classification:

All subjects/ courses offered for the M.C.A. Programmes are broadly classified as follows.

(a) Ability Enhancement Courses (AEC)
(b) Core Courses (CC)
(c) Discipline Specific Elective (DSE)
(d) Multi-Disciplinary Elective Courses (MDEC)
(e) Skill Enhancement Courses (SEC)

S. No.	Broad Course Classification	Course Group/ Category	Course Description
1	Ability Enhancement Courses (AEC)	BS – Basic Sciences	Includes Mathematics, Physics and Chemistry subjects
2		HS – Humanities and Social Sciences	Includes subjects related to Humanities, Social Sciences and Soft Skills
2	Core Courses (CC)	PC – Professional Core	Includes core subjects related to the parent discipline/ department
4	Discipline Specific Elective Courses (DSEC)	PE – Professional Electives	Includes elective subjects related to the parent discipline/ department.

5	Core Courses (CC)	Project Work	M.C.A. Project or Project Stage I & II
4		Internships	Internships
7	Skill Enhancement Courses (SEC)	-	Courses designed to help individuals gain, improve, or refine specific skills
8	Value Added Courses (VAC)	-	Courses to build professional values, traditional knowledge and sensitization of societal issues
9	Multi-Disciplinary Elective Courses (MDEC)		Includes elective subjects related to the Multiple discipline/ department.
10	Audit Courses (AC)		Audit Courses (AC) – No Credits

An induction program of one week duration for the UG students entering the institution, right at the start shall be implemented. Normal classes commence only after the completion of the induction programme.

Following activities could be part of the induction programme:

1. Familiarization to department as well as entire institute
2. Making students understand Innovative practices at the college premises.
3. Physical Activity,
4. Creative Arts,
5. Imparting Universal Human Values,
6. Literary Activities,
7. Lectures by Eminent People,
8. Visits to Local Areas

2.2.4 Course Nomenclature:

The curriculum nomenclature or course structure grouping for each of the M.C.A. Programmes, is as listed below (along with AICTE specified range of total credits).

S. No.	Broad Course Classification	Course Group or Category	Course Description	Total Credits
1	Ability Enhancement Courses	Humanities, Social sciences	English, Business Communication, Foreign Language	4
2	Value Added Courses		Yoga, Disaster Management, Environmental Science	4

2	Core Courses and Core activities	Program Core (PC)	Professional courses- core relevant to the discipline	54
4	Elective Courses	Discipline Specific Electives (DSE)	Professional courses-electives relevant to the discipline	22
		Multi-Disciplinary Elective Course (MDE)	Indian Knowledge System	2
5	Skill Enhancement Courses		Management, Design Thinking, Internship, Project	28
4	Audit Courses		NSS, Sports	No Credits
Total Credits				128

4 Course Registration

4.1 A 'Faculty Advisor or Counselor' shall be assigned a group of 20 students, who will advise the students on the Under Graduate Programme (UGP), its Course Structure and Curriculum, Choice / Option for Subjects / Courses, based on his competence, progress, pre-requisites and interest.

4.2 The Academic section of the College invites online registration requests for semester courses which shall be completed two weeks before the commencement of Semester End Examinations (SEE) of the preceding semester.

4.2 If the student submits ambiguous choices or multiple options or erroneous entries during registration for the Subject(s) / Course(s) under a given specified Course / Group / Category as listed in the course structure, the student will be allotted with required subjects only after obtaining the 'written approval' from faculty advisor/mentor, which should be submitted to the college academic section through the Head of the Department. A copy of it shall be retained with the Head of the Department, faculty advisor/ mentor and the student.

4.4 Subject/ course options exercised through on-line registration are final and cannot be changed or inter-changed; further, alternate choices also will not be considered. However, if the subject/ course that has already been listed for registration by the Head

of the Department in a semester could not be offered due to any inevitable or unexpected reasons, then the student shall be allowed to have alternate choice either for a new subject (subject to offering of such a subject), or for another existing subject (subject to availability of seats). Such alternate arrangements will be made by the Head of the Department, with due notification and time-framed schedule, within a week after the commencement of class-work for that semester.

4.5 Dropping of subjects/ courses may be permitted, only after obtaining prior approval from the faculty advisor/ counselor 'within a period of 15 days' from the beginning of the current semester.

4.4 **Discipline Specific Electives:** The students have to choose four electives (DSE - I to IV) from the list of electives given. Every student shall earn the prescribed Discipline Specific Elective credits by successfully completing courses selected from the University Discipline Specific Elective Basket.

Discipline Specific Elective subjects already studied should not repeat/should not match with any category (Professional Core, Specific Electives, Mandatory Courses etc.) of subjects even in the forthcoming semesters. Departments will notify at the time of registration about the minimum and the maximum number of students to be enrolled for a particular open elective to be offered.

The list of Discipline Specific electives offered during that semester will be notified by the departments at the time of course work registration.

4.7 **Multi-Disciplinary Electives:** The students have to choose two Multi-Disciplinary Electives (MDE - I & II) from the list of Multi-Disciplinary Electives given.

4.8 For Audit Courses a **'Satisfactory Participation Certificate'** from the authorities concerned for the relevant semester is essential. No Marks or Credits shall be awarded for these activities.

4.9 For Mandatory Courses, a **'Satisfactory / Not Satisfactory'** is awarded based on the performance in Continuous Internal Evaluation (CIE).

5 Elective Subjects/ Courses to be offered

5.1 An Elective Subject/ Course may be offered to the students, ONLY IF a minimum of 25 students opt for the same.

5.2 If more entries for registration of a subject come into picture, then the Head of the Department concerned shall decide whether or not to offer such a subject/ course for two (or multiple) sections.

4 Attendance Requirements:

4.1 Every student shall maintain a minimum attendance of 75% in each course and/or aggregate attendance as prescribed by the University.

4.2 A student with attendance below 75% but not less than 45% may be considered by the Academic Cell for condonation on genuine grounds such as medical emergencies, participation in approved co-curricular, extracurricular, NCC, NSS, sports, or other university-approved activities, subject to payment of the prescribed condonation fee and approval by the competent authority.

4.2 Students with attendance below 45% shall not be permitted to appear for the End Semester Examination and shall be required to repeat the course(s) as per University regulations.

4.4 Two periods of attendance for each theory subject shall be considered, if the student appears for the mid-term examination of that subject.

4.5 If any student fulfills the attendance requirement in the present semester shall not be eligible for readmission into the same semester.

7 Academic Requirements:

The following Academic Requirements have to be satisfied, in addition to the attendance requirements.

7.1 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each course, if the student secures:

- not less than 40% (20 marks out of 50 marks) in the Continuous internal evaluation (CIE), and
- not less than 40% (20 marks out of 50 marks) in the semester end examinations (SEE), and
- a minimum of 40% (40 marks out of 100 marks) in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together.

7.2 A student shall be deemed to have satisfied the Academic Requirements and earned the credits allotted to Real-time/ Field Based Research Project (or) Mini Project (or) Internship (or) Seminar, if he/ she secure not less than 40% marks (i.e 40 out of 100

allotted marks) in each of them. The student would be treated as failed, if he/ she :
(i) does not submit a report on his/ her Mini Project / Seminar / Project or does not make a presentation of the same before the Evaluation Committee as per schedule or
(ii) secures less than 40% of marks in Mini Project/ Seminar/ Project evaluations.
(iii) He/ She may reappear once for each of the above evaluations, when they are scheduled again; if he/ she fails in such 'one-reappearance' evaluation also, he/ she has to reappear for the same in the next subsequent semester, as and when it is scheduled.

A student shall be declared eligible for the award of the M.C.A. Degree upon successful completion of all prescribed courses and curricular requirements, earning the minimum required credits, satisfying attendance requirements, obtaining the prescribed minimum CGPA, successfully completing Skill Development internships and project work, and complying with all academic and disciplinary regulations of the University. The programme shall be completed within the maximum duration prescribed by the University.

7.2 **Promotion Rules:** Every student has to fulfill the Attendance and Academic requirements by securing the required credits against registered credits as shown below:

S. No.	Promotion	Conditions to be Fulfilled
1	First semester to second semester	Regular course of study of first semester and fulfillment of attendance requirement.
2	Second semester to Third semester	Regular course of study of second semester and fulfillment of attendance requirement.
2.	Third semester to Fourth semester	Regular course of study of third semester and fulfillment attendance requirement.
4	Fourth semester to Fifth semester	Regular course of study of fourth semester and fulfillment of attendance requirement.
5	Fifth semester to Fourth semester	Regular course of study of fifth semester and fulfillment of attendance requirement.
For BCA Honors		
4	Fourth semester to Seventh semester	Regular course of study of Fourth semester and fulfillment of attendance requirement.
7	Seventh semester to Eighth semester	Regular course of study of seventh semester And fulfillment of attendance requirement.

7.4 A Student shall register for all subjects covering 128 credits as specified and listed (with the relevant Course/ Subject Classifications as mentioned) in the Course Structure, fulfill all the Attendance and Academic requirements for 120 credits securing a minimum of 'P' Grade (Pass Grade) or above in each subject and earn 120 credits securing SGPA ≥ 5.0 (in each semester) and CGPA (at the end of each successive semester) ≥ 5.0, to successfully complete the M.C.A. Programme (including all mandatory courses).
The performance of the student in these 120 credits shall be considered for the calculation of the final CGPA (at the end of undergraduate programme), and shall be indicated in the grade card / marks memo of VIII semester.

7.4.1 If a student registers for some more 'Extra Subjects' (in the parent Department) other than those listed subjects totaling to 120 credits as specified in the Course Structure of his/ her department, the performances in those 'extra Subjects' (although evaluated and graded using the same procedure as that of the required 120 credits) will not be taken into account while calculating the SGPA and CGPA.

7.4.2 A student eligible to appear in the Semester End Examination in any Subject/ Course but absent from it or failed (thereby failing to secure 'P' Grade or above) may reappear for that Subject/ Course at the supplementary examination as and when conducted. In such cases, his / her Internal Marks (CIE) assessed earlier for that Subject/ Course will be carried over and added to the marks to be obtained in the SEE supplementary examination, for evaluating his/ her performance in that subject.

7.4.2 When a student is detained due to shortage of attendance in any semester, he/ she may be re-admitted when the same semester is offered in the next academic year for fulfillment of academic requirements. The academic regulations under which student has been readmitted shall be applicable. However, no Grade Allotments or SGPA/ CGPA calculations will be done for that entire semester in which he/ she got detained.

8.0 Evaluation, Distribution and Weightage of Marks

The performance of a student in each semester shall be evaluated subject - wise (irrespective of credits assigned) for 100 marks for Theory, Practicals, Seminar, Real Time/ Field Based Project, Project and Minor Courses. The Theory / Practical courses are evaluated with two components.

1. Continuous Internal Evaluation (CIE),
2. Semester End Examination (SEE).

The distribution of 50 Marks for CIE and 50 Marks for SEE.

8.1 Theory Courses:

8.1.1 Continuous Internal Evaluation (CIE):
The performance of a student in every subject/course (including Practical's and Project)

will be evaluated for 100 marks each, with 50 marks allotted for CIE (Continuous Internal Evaluation) and 50 marks for SEE (Semester End-Examination)

The **Continuous Internal Evaluation (CIE)** shall be conducted to assess the continuous academic performance, conceptual understanding, practical application, communication skills, and overall learning outcomes of students throughout the semester. The total CIE shall carry **50 marks**, distributed as follows:

Component	**Marks**		**Evaluation Method**
	CIE - I	**CIE - II**	
Descriptive Examination	25	25	Written Test
Formative Assessment	10	10	Continuous Evaluation
Assignment	5	5	Individual Assignment
Total average	**40**		
Viva-Voce / Presentation	10		Oral Assessment
Total	**50**		

1. Descriptive Examination (25 Marks)

The descriptive examination shall evaluate the student's conceptual knowledge, analytical ability, problem-solving skills, and application of learned concepts.

Descriptive Examination			
Type of Questions	**No. of Questions**	**Marks per Question**	**Total**
Internal choice questions (Module-wise)	5	5	25
Descriptive Exam Total			**25**

Guidelines:

- Duration: **90 minutes**
- Questions should cover all cognitive levels (Remember, Understand, Apply, Analyze, Evaluate, Create) as appropriate.
- For First CIE (Module- I, II and half of III Module) of the syllabus will be covered.
- For Second CIE (Remaining half of III Module, IV and V Module) of the syllabus will be covered.

2. Formative Assessment (10 Marks)

Formative assessment shall continuously monitor the student's learning progress during the semester.

The evaluation may include one or more of the following:

- Class participation
- Attendance and punctuality
- Quiz/Test
- Problem-solving exercises
- Laboratory performance (where applicable)
- Tutorials
- Group discussions
- Learning activities through LMS
- Peer learning activities
- Computerized adaptive testing

2. Assignment (5 Marks)

Each student shall submit **two assignments** during the semester.

Assignments may include:

- Case study
- Literature survey
- Numerical/problem-solving assignment
- Programming exercise
- Design activity
- Technical article review

4. Viva-Voce / Presentation (10 Marks)

Each student shall undergo an individual viva-voce or technical presentation to evaluate understanding, communication skills, analytical ability, and confidence for each course.

The presentation may be based on:

- Case study
- Research article
- Design problem
- Laboratory work
- Mini-project
- Course-related topic

This is conducted before the second Continuous Internal Evaluation(CIE-II) of Descriptive examinations.

The student, in each subject, shall have to earn 40% of marks (i.e. 20 marks out of 50 marks) in CIE, 40% of marks (i.e. 20 marks out of 50) in SEE and Overall 40% of marks (i.e. 40 marks out of 100 marks) both CIE and SEE marks put together.

A student, who has failed to secure 40% of CIE marks in a subject, may reappear once for

the CIE.

A student shall be given a chance to re-register for Descriptive Examination within 10 days after the completion of corresponding CIE schedule in a semester if:

- The student has not attended the CIE due to unavoidable conditions and verified by the Mentor/Class In-charge/ Head of the respective Department.
- The internal marks secured by a student in the Continuous Internal Evaluation marks for 50 (Sum of average of two mid-term examinations consisting of descriptive parts, Formative Assessment, Average of two Assignments & Subject Viva- voce/PPT/ Poster presentation/ Case Study on a topic in the concerned subject) are less than 40% and failed in those subjects, then such student is given a chance to write Make up CIE.

8.1.2 Semester End Examination (SEE):

Semester End Examination (SEE) shall be conducted for all courses of M.C.A. Programmes at the end of the Semester. Duration of the examination is **2 hours.** The paper setting and evaluation of all courses carried out by external examiners. The examiners will be selected by the Chief Controller of Examinations/Principal, from the panel of examiners submitted by the head of the respective department.

Semester End Examination - UG				
Sl.No	**Type of Questions**	**No. of Questions**	**Marks per Question**	**Total**
1	Internal choice questions (Module-wise)	5	10	50
Total				**50**

8.2 Practical Courses:

8.2.1 Continuous Internal Evaluation (CIE):

For practical subjects there shall be a Continuous Internal Evaluation (CIE) during the semester for 50 marks and 50 marks for Semester End Examination (SEE).

Out of the 50 marks for internal evaluation:

1. A write-up on day-to-day experiment in the laboratory (in terms of aim, components/procedure, expected outcome) which shall be evaluated for 20 marks
2. 10 marks for viva-voce (or) tutorial (or) case study (or) application (or) poster presentation of the course concerned.

S. No.	Component of Assessment	Marks
1	Laboratory Record / Day-to-Day Write-up	**20**
2	Viva-Voce / Tutorial / Case Study / Application / Poster Presentation	**10**
2	Internal Practical Examination	**10**
4	Laboratory Project / Design Activity	**10**
	Total Marks	**50**

Note: *Internal Practical Examination shall be conducted before the Semester End Examinations.*

8.2.2 Semester End Examination (SEE):

The Semester End Examination shall be conducted with an external examiner and the Internal Examiner. The external examiner will be appointed by the Chief Controller of Examinations. The external examiner should be selected from the outside University among the reputed institutions from a panel of five examiners submitted by the concerned Head of the Department.

In the Semester End Examination held for 2 hours, total 50 marks are divided and allocated as shown below:

- 10 marks for write-up
- 15 marks for experiment/program
- 15 marks for evaluation of results
- 10 marks for viva-voce on concerned laboratory course.

The Student, in each subject, shall have to earn 40% of marks (i.e. 20 marks out of 50 marks) in CIE, 40% of marks (i.e. 20 marks out of 50) in SEE and Over all 40% of marks (i.e. 40 marks out of 100 marks) both CIE and SEE marks put together.

The evaluation of courses having ONLY internal marks in IV Semester is as follows:

Real-Time (or) Field-based Research Project course: The internal evaluation is for 100 marks and it shall take place before Continuous Internal Evaluation - II. Student shall have to earn 40%, (i.e 40 marks out of 100 marks) from the examinations. There shall be NO external evaluation. The student is deemed to have failed, if he:

(i) does not submit a report on the Project, or

(ii) does not make a presentation of the same before the internal committee as per schedule, or

(iii) secures less than 40% marks in this course.

8.2 Projects:

8.2.1 Internship/Mini Project:

There shall be an Industry training (or) Internship (or) Mini-project (or) Skill Enhancement Courses (or) Paper presentation in reputed journal (or) Mini Project in collaboration with an industry of their specialization. Students shall register for this immediately after II, III and IV, Semester Examinations and pursue it during summer vacation/semester break without affecting regular course work.

Internship at reputed organization (or) Skill enhancement courses (or) Paper presentation in reputed journal (or) Mini Project shall be submitted in a report form and presented before the committee in before end semester examination. It shall be evaluated for 100 internal marks.

The committee consists of:

a. Head of the Department,
b. Supervisor of the Mini Project (or) Internship,
c. Internal Supervisor and
d. Senior Faculty Member of the Department.

8.2.2 Project:

UG project work shall be carried out in two stages: Project Stage – I for approval of project before CIE-II examinations in V Semester and Project Stage – II during VI Semester. Student has to submit project work report at the end of VI Semester. The project shall be evaluated for 100 marks before commencement of SEE Theory examinations.

For Project Stage – I, the departmental committee consisting of Head of the Department, project supervisor and a senior faculty member shall approve the project work to begin before CIE- II examination of V Semester. The student is deemed to be not eligible to register for the Project work, if he/ she does not submit a report on Project Stage - I or does not make a presentation of the same before the evaluation committee as per schedule.

The project stage - I shall be evaluated for 100 marks before commencement of V semester - SEE Theory examinations.

A student who has failed may reappear once for the above evaluation, when it is scheduled again; if he/she fails in such 'one reappearance' evaluation also, he/she has to reappear for the same in the next subsequent semester, as and when it is scheduled.

For Project Stage – II, The project stage -II shall be evaluated for 100 marks before commencement of VI semester - SEE Theory examinations.

The external examiner shall evaluate the project work for 50 marks and the internal project committee shall evaluate it for 50 marks.

Out of 50 internal marks, the departmental committee shall evaluate for 20 Marks and

Project Supervisor shall evaluate for 20 marks.
The Departmental Committee consists of:

- Head of the Department,
- Project Supervisor and
- Senior Faculty Member,

The topics for Mini Project/ Internship/SEC and the Main Project shall be different from the topic already taken.

The student is deemed to have failed, if he/she

(i) does not submit a report on the Project, or
(ii) does not make a presentation of the same before the External Examiner as per schedule, or
(iii) secures less than 40% marks in the sum total of the CIE and SEE taken together.

For conducting viva-voce of project, University selects an external examiner from the list of experts in the relevant branch submitted by the Head of the Department.
A student, who has failed, may reappear once for the above evaluation, when it is scheduled again; if student fails in such 'one reappearance' evaluation also, he/she has to reappear for the same in the next subsequent semester, as and when it is scheduled.

8.4 Seminar:

For Seminar presentation, the student shall collect the information on a specialized topic, prepare a report and submit to the department at the time of seminar presentation in VI Semester. The seminar presentation (along with the report) shall be evaluated by a committee consisting of Seminar coordinator and two senior faculty members with appropriate grade. The seminar report shall be evaluated internally for 100 marks. There shall be no Semester End Examination for the seminar.

8.5 Other Courses:

8.5.1 Mandatory Courses:

For mandatory courses of Indian Knowledge System, Life Skills, Universal Human Values, Environmental Science, Constitution of India, Intellectual Property Rights, and Gender Sensitization lab, a student has to secure 40 marks out of 100 marks (i.e. 40% of the 100 marks) in the Continuous Internal Evaluation for passing the subject/course.

No marks or letter grades shall be allotted for mandatory/non-credit courses. Only Pass/Fail shall be indicated in Grade Card.

8.5.2 Audit Courses:

For Audit Courses offered in any Semester, the student must submit a 'Participation Certificate' from the concerned authorities.

8.5.2 Acceleration of course work of final semester

In order to allow the bright and motivated students, a provision is made to complete the final semester two Multi Disciplinary Elective subjects (MDE-I and MDE-II) in advance. These subjects are offered through during III Semester or IV Semester or V Semester and credit transfer is permitted. These credits are shown in the Final Semester Grade card in order to calculate SGPA and CGPA. This provision is made to allow the students for industry internship or to undertake projects in industry in the final semester.

Departments will notify at the time of registration about the minimum and the maximum number of students to be enrolled for a particular open elective to be offered.

The list of Multi Disciplinary electives offered during that semester will be notified by the departments at the time of course work registration.

8.5.4 Massive Open Online Courses

The students, who have registered in advance in an equivalent MOOCs course and fail to secure any pass grade in the MOOCs course, can register for the regular course offered in the following Semester of their course structure.

Conversion of Marks Secured in MOOCs into Grades: Marks secured in the internal and external evaluations of a MOOCs course shall be scaled to 50 Internal and 50 External marks respectively. The sum of these two components shall be considered as the total marks out of 100. The corresponding grade shall then be determined as per the marks-to-grades conversion rules

To meet the global requirements by providing greater flexibility to choose a variety of courses to inculcate the habit of self-learning, in compliance with the UGC guidelines, Massive Open Online Courses (MOOCs) shall be provided during the period of study.

Students are allowed to register MOOCs courses up to a maximum of 40% of total credits in a semester subjected to the approval by the concerned Head of the Department. The proposed MOOCs would be additional choices in the program elective/open elective group of courses subject to their offering by the department as well as their availability in MOOCs platform during the respective semester. However, the Board of studies of the respective department shall approve contemporary courses from time to time under MOOCs.

Concerned departments shall declare the list of the courses that a student can pursue at the beginning of the semester. Students interested in pursuing MOOCs shall register the course at their department at the beginning of the semester against the courses that are announced by the department. Course progress shall be monitored by the course coordinator of the department. Each of the courses shall be of minimum 12 weeks in duration.

The Students registered for MOOCs Courses shall be Evaluated for CIE as per 8.2.1. The SEE evaluation will be considered as per 8.2.2. If the student fails to clear the subject,

he/she has to re- register for the course.

The grade equivalency for MOOCs courses shall be recommended by the respective BOS chairperson and is to be approved by the Chairman, Academic Council.

9 Grading Procedure

9.1 Grades will be awarded to indicate the performance of each student in each Theory Subject, Laboratory/ Practicals, Mini Project, Internship and Project Stage, based on the % of marks obtained in CIE + SEE both taken together as specified in Item No. 8 and a corresponding Letter Grade shall be given.

9.2 As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades (UGC Guidelines) and corresponding percentage of marks shall be followed.

% of Marks	Grade Points	Letter Grade
≥90	10	O (Out Standing)
≥80 to < 90	9	A^+ (Excellent)
≥70 to < 80	8	A (Very Good)
≥40 to < 70	7	B^+ (Good)
≥50 to <40	4	B (Average)
≥40 to < 50	5	C (Pass)
< 40	0	F (Fail)
Absent	0	Ab

9.2 A student obtaining 'F' Grade in any subject shall be considered '**Failed**' and will be required to reappear as 'Supplementary Candidate' in the Semester End Examination (SEE) as and when conducted. In such cases, his / her Internal Marks (CIE Marks) in those subject(s) will remain the same as those he / she obtained earlier.

9.4 A Letter Grade does not imply any specific % of marks.

9.5 In general, a student shall not be permitted to repeat any Subject/ Course (s) only for the sake of 'Grade Improvement' or 'SGPA / CGPA Improvement'. However, he /she has to repeat all the Subjects/ Courses pertaining to that semester, when he / she is detained (as listed in Items Nos.7.7 &7.8).

9.4 A student earns Grade Point (GP) in each Subject/ Course, on the basis of the Letter Grade obtained by him in that Subject/ Course (excluding Mandatory non-credit Courses).Then the corresponding 'Credit Points' (CP) are computed by multiplying the Grade Point with credits for that particular Subject/ Course.

Credit Points (CP) = Grade Point (GP) x Credits …For a Course

9.7 The Student passes the Subject/ Course only when he / she gets GP ≥ 5('C' Grade or above).

9.8 The Semester Grade Point Average (SGPA) is calculated by dividing the Sum of Credit Points (ΣCP) secured from all Subjects/ Courses registered in a semester by the Total Number of Credits registered during that semester. SGPA is rounded off to two decimal places. SGPA is thus computed as

$$SGPA = \{\sum_{i=1}^{N} C_i G_i\} / \{\sum_{i=1}^{N} C_i\} \text{ … for each semester}$$

where 'i' is the subject indicator index (takes into account all subjects in a semester), 'N' is the number of subjects registered for the semester (as specifically required and listed under the Course Structure of the parent department) is the number of credits allotted to the ith subject and represents the Grade Points (GP) corresponding to the Letter Grade awarded for that i^{th} subject.

9.9 The Cumulative Grade Point Average (CGPA) is a measure of the overall cumulative performance of a student over all semesters considered for registration. The CGPA is the ratio of the Total Credit Points secured by a student in all registered courses in ALL semesters and the total number of credits registered in all the semesters. CGPA is rounded off to two decimal places. CGPA is thus computed from the II semester onwards, at the end of each semester, as per the formula.

$$CGPA = \{\sum_{j=1}^{M} C_j G_j\} / \{\sum_{j=1}^{M} C_j\}$$ **. for all 'S' semesters registered**

(i.e., up to and inclusive of 'S' semesters, S ≥2)

where 'M' is the total number of subjects (as specifically required and listed under the course structure of the parent department) the student has registered from the 1st semester onwards up to and inclusive of the semester 'S' (obviously M > N), 'j' is the subject indicator index (takes in to account all subjects from '1' to 'S' semesters) is the number of credits allotted to the jth subject, and represents the Grade Points (GP) corresponding to the Letter Grade awarded for that j^{th} subject. After registration and completion of I Year I Semester however, the SGPA of that semester itself may be taken as the CGPA, as there are no cumulative effects.

ILLUSTRATION OF CALCULATION OF SGPA

Course/ Subject	Credits	Letter Grade	Grade Points	Credit Points
Course 1	2	A	8	2 x 8 = 24
Course 2	2	O	10	2 x 10 = 20
Course 2	2	C	5	2 x 5 = 15
Course 4	2	B	4	2 x 4 = 18
Course 5	2	A+	9	2 x 9 = 27
Course 4	1.5	B	4	1.5 x 4 = 09
Course 7	1.5	A	8	1.5 x 8 = 12
Course 8	2	A	8	2 x 8 = 14
	Total = 20			Total Credit Points = 151

SGPA = 151/20 = 7.55

ILLUSTRATION OF CALCULATION OF CGPA:

Semester	Credits	SGPA	Credits X SGPA
Semester I	21	7	21 X 7 = 147
Semester II	19	4	19 X 4 = 114
Semester III	20	4.5	20 X 4.5 = 120
Semester IV	20	4	20 X4 = 120
Semester V	22	5.75	22 X 5.75 = 124.5
Semester VI	18	7.25	18 X 7.25 = 120.5
	120		748

CGPA = 748/140 = 4.4

The calculation process of CGPA illustrated above will be followed for each subsequent semester until 8th semester. The CGPA obtained at the end of 8th semester will become the final CGPA secured for entire M.C.A. programme.

9.10 For merit ranking or comparison purposes or any other listing, only the rounded off values of the CGPAs will be used.

9.11 For calculations listed in Item Nos.9.4 to 9.10, performance in failed Subjects/ Courses (securing 'F' Grade) will also be taken into account and the credits of such Subjects/Courses will also be included in the multiplications and summations. However, Mandatory Courses will not be taken into consideration.

9.12 Passing Standards: A student shall be declared successful or 'passed' in a semester, only when he / she gets a SGPA ≥ 5.00 (at the end of that particular semester); and a student shall be declared successful or 'passed' in the entire M.C.A. Programme, only when he / she gets a CGPA ≥ 5.00; subject to the condition that he / she secures a GP ≥ 5 ('C' Grade or above) in every registered Subject/ Course in each semester (during the entire M.C.A. Programme) for the award of degree, as required.

9.12 After the completion of each semester, a grade card or grade sheet shall be issued to all the registered students of that semester, indicating the letter grades and credits earned. It will show the details of the courses registered (course code, title, no. of credits, grade earned, etc.) and credits earned.

9.14 In spite of securing 'P' Grade or above in some (or all)Subjects/ Courses in any semester, if a student receives a SGPA < 5.00 and/ or CGPA < 5.00 at the end of such a semester, then he / she 'may be allowed' (on the 'specific recommendations' of the Head of the Department and subsequent approval from the CoE)

(i) to go into the next subsequent semester (subject to fulfilling all other attendance and academic requirements as listed under Item Nos. 7&8);

(ii) to 'improve his / her SGPA of such a semester (and hence CGPA) to 5.00 or above', by reappearing for one or more (as per student's choice) of the same course(s) in which he / she has secured 'P' Grade(s) in that semester, at the Supplementary Examinations to be held in the next subsequent semester(s).

In such cases, his / her Internal Marks (CIE Marks) in those subject(s) will remain same as those he / she obtained earlier. In these considerations, the newly secured Letter Grades will be recorded and taken into account for calculation of SGPA and CGPA, only if there is an improvement.

9.15 After the completion of each semester, a Grade Card or Grade Sheet (or Transcript) shall be issued to all the registered students of that semester, indicating the Letter Grades and credits earned. It will show the details of the courses registered (Course Code, Title, No. of Credits and Grade Earned etc.), Credits earned, SGPA and CGPA.

10 Declaration of Results

10.1 Computation of SGPA and CGPA are done using the procedure listed in items 9.4 to 9.12.

10.2 For final % of marks equivalent to the computed final CGPA, the following formula may be used …

% of Marks = (final CGPA – 0.5) x 10

11 Award of Degree

11.1 A student who register for all the specified courses as listed in the Course Structure, satisfies all the course requirements, passes all the examinations prescribed in the entire M.C.A. Programme within the specified period (refer 4.1) and secures the required 120 Credits (with CGPA ≥ 5.0) shall be declared to have 'Qualified' for the award of the M.C.A. Degree as selected at the time of admission.

11.2 A student who qualifies for the award of the degree as listed in Item 11.1, shall be placed in one of the following classes:

Class Awarded	CGPA
First Class with Distinction	≥ 8.00
First Class	≥ 7.0 and < 8.00
Second Class	≥ 4. 0 and < 7.0
Pass Class	≥ 5.00 and < 4.0

11.2 A student with final CGPA (at the end of the M.C.A. Programme) <5.00 will not be eligible for the award of the degree.

11.4 Students will be eligible for the award of 'Gold Medal', if he/she should have passed all the subjects/courses in first appearance within the first academic years (or Four sequential semesters) from the date of commencement of first semester and should have secure CGPA ≥ 8.00 at the end of Four sequential semesters.

11.5 A student will be eligible to get under graduate with additional minor Programme if he/she completes an additional 18 credits through MOOCs.

AWARD OF 2-YEAR M.C.A. DIPLOMA CERTIFICATE:

A student is awarded 2-Year UG Diploma Certificate on completion of all the academic requirements and earned all the 80 credits (within 2 years from the date of admission) upto M.C.A. IV Semester, if the student want to exit the 2-Year M.C.A. programme and *requests for the 2 -Year* M.C.A. (*UG) Diploma Certificate*.

The student once opted and awarded 2-Year UG Diploma Certificate, the student will be permitted to join in M.C.A. V Semester and continue for completion of remaining years of study for 2-Year M.C.A. Degree ONLY in the next academic year along with next batch students. *However, if any student wishes to continue the study after opting for exit, he/she should register for the subjects/courses in V Semester before commencement of classwork for that semester by paying the tuition fee.*

The students, who exit the 2-Year M.C.A. program after IV semester study and wish to re-join the M.C.A. programme, must submit the 2-Year UG Diploma Certificate *awarded to him, subject to the eligibility for completion of Course/Degree.*

A student may be permitted to take one year break after completion of M.C.A. IV Semester or M.C.A. VI Semester (with university permission through the Dean Academics/Head of the Department well in advance) and can re-enter the course in next Academic Year and complete the course on fulfilling all the academic credentials within a stipulated duration i.e. double the duration of the course (Ex. within 4 Years for 2-Year program).

12 Withholding of Results

If the student has not paid fees to college at any stage or has pending dues against his / her name due to any reason whatsoever or if any case of indiscipline is pending against him, the result of the student may be with-held and he / she will not be allowed to go into the next higher semester. The award or issue of the degree may also be withheld in such cases.

12 Transfers of students from the other Colleges/Universities:

12.1 There shall be no branch transfers after the completion of admission process.

12.2 The students seeking transfer to MRDU from various other Universities/ Institutions have to pass the failed subjects which are equivalent to the subjects of MRDU and also pass the subjects of MRDU which the students have not studied at the earlier institution."*Further, though the students have passed some of the subjects at the earlier institutions, if the same subjects are prescribed in different semesters of MRDU, the students need not study those subjects in MRDU".*

12.2 The transfer students from other Universities / Institutions to MRDU who are on rolls will be provided one chance to write internal examinations in the failed subjects and/or subjects not studied as per the clearance letter issued by the Head of the Department.

12.4 The University will provide one chance to write the internal examinations in the equivalent subject(s) to the students transferred from other universities/institutions to MRDU who are on rolls, as per the clearance (equivalence) letter issued by the University.

12.5 Transfer of students shall be subject to availability of seats and approval of the competent authority at MRDU.

12.4 The student should have completed at least one academic year at previous institution/university and fulfill the academic requirements prescribed by MRDU for entry into the proposed semester/year.

12.7 The Students shall submit the Original Transfer Certificate (TC), Migration Certificate (wherever applicable), Conduct Certificate, and Bonafide Certificate from the previous institution/university.

12.8 The Students shall submit official transcripts/mark sheets for all completed semesters, detailed course-wise syllabi, and the course credit structure and grading scheme of the previous institution.

12.9 Students transferring from another University shall not be automatically placed in the same semester based solely on the semester completed at the previous University. Semester placement shall be determined by MRDU based on the credits earned, course equivalence, academic requirements, and applicable academic regulations.

12.10 Students shall ensure that all academic credits transferred through the ABC framework are duly authenticated and transmitted by the respective Higher Education Institution (HEI), and shall not rely solely on self-submitted documents as evidence of credits earned.

12.11 Students seeking credit transfer shall submit all required academic records to the **Credit Transfer and Equivalence Committee** constituted by MRDU, consisting of:

- Dean – Academics
- Concerned Dean/School Head
- Head of the Department
- Chairman/Member of Board of Studies
- Controller of Examinations or nominee
- Registrar or nominee
- Subject experts, wherever required

12.12 The Committee shall assess the equivalence of the courses based on the course title and code, credits, contact hours, theory/practical/tutorial components, detailed syllabus, course objectives and learning outcomes, assessment methodology, grading system, semester of completion, academic level, and overall programme structure before approving the credit transfer.

12.12 The University adopts the recommendation based on the Credit-Mapping rule with the following classifications:

Category	Treatment at MRDU
Equivalent Course	Full credit transfer may be granted
Partially Equivalent Course	Credit transfer subject to additional academic requirements/bridge course
Different Course but Relevant	Considered as elective/open elective, subject to approval
Non-Equivalent Course	Credit transfer not permitted
Laboratory/Practical Course	Equivalence verification/ consider as skill development course
Project/Internship	Considered only if duration, learning outcomes and evaluation are equivalent
Core/Professional Course	Equivalence required for more than 50% of the course syllabus
Audit/Non-credit Course	Normally not counted toward degree credits

12.14 Guidelines to be adopted after verification and comparison of the course structure and syllabus of the transferred students from other universities/Institutions to MRDU:

- Total Credits of a course to be considered if the syllabus offered by MRDU is completely mapped with the syllabus of other Universities/Institutions.
- Minimum 50% of the syllabus should be matched with the syllabus offered by

MRDU.

- If only 50% of the syllabus is mapped with the syllabus offered by MRDU, Bridge course has to be conducted for the remaining 50% of the syllabus and assessment to be conducted to fulfill the credit requirements for the corresponding course.
- For laboratory courses, if the syllabus is mapped and the platform is different, Micro-Project/Applications/Product Development is to be completed by the students to fulfill the course requirement.
- For courses which require prerequisites in the succeeding semesters, bridge courses have to be conducted by the respective department.
- Courses studied other than core courses related to skill enhancement and completed by the students from other Universities/Institutions those courses are considered as Skill Development Courses. The above courses need to be completed through an assessment and subjected to allotment of credits, with 20hrs equivalent to 1 credit.
- Courses which are registered and completed at another Universities/Institutions can be mapped with the course structures of the succeeding semesters as per MR25 regulations, repetition of courses in any semester is not allowed. An additional subject/substitute subject need to be opted/offered by the Course coordinator through BoS Committee.
- Core courses for which no suitable equivalence is mapped with MR25 regulation shall be completed as per the academic regulation.
- Any shortfall in credit or academic requirements shall be completed through approved courses as per MR25 regulations.

12.15 Students may transfer only the maximum number or percentage of credits prescribed under the approved Academic Regulations of MRDU. Credits appearing in a student's previous transcript shall not be automatically accepted; each credit shall be considered for transfer only after verification of academic compliance, course equivalence, and approval by the competent authority/Committee of MRDU.

12.14 Students seeking transfer with failed or backlog courses may be admitted subject to the approved academic regulations of MRDU. Such courses shall normally be cleared at MRDU, unless the course has been successfully completed at the previous institution and is formally accepted through the approved credit-transfer and equivalence process.

12.17 Students shall ensure that all documents, transcripts, certificates, credit records, and academic information submitted to MRDU are genuine, accurate, and verifiable. If any submitted record is found to be false, fabricated, manipulated, or materially misrepresented, MRDU may cancel the admission and/or credit recognition in accordance with applicable laws and University regulations and may take appropriate disciplinary or legal action.

12.18 A student seeking transfer from MRDU shall normally be required to complete at least 50% of the total credits prescribed for the MRDU degree programme at MRDU, unless otherwise permitted by the applicable UGC/statutory/regulatory framework and approved by the competent statutory authority of the University.

12.19 Equivalence and comparison of the course structure and syllabus of the transferred students from other universities/Institutions.

- Total Credits of a course to be considered if the syllabus offered by MRDU is completely mapped with the syllabus of other Universities/Institutions.
- Minimum 50% of the syllabus should be matched with the syllabus offered by MRDU.
- If only 50% of the syllabus is mapped with the syllabus offered by MRDU, Bridge course has to be conducted for the remaining 50% of the syllabus and assessment to be conducted to fulfill the credit requirements for the corresponding course.
- For laboratory courses, if the syllabus is mapped and the platform is different, Micro-Project/Applications/Product Development is to be completed by the students to fulfill the course requirement.
- For courses which require prerequisites in the succeeding semesters, bridge courses have to be conducted by the respective department.
- Courses studied other than core courses related to skill enhancement and completed by the students from other Universities/Institutions those courses are considered as Skill Development Courses. The above courses need to be completed through an assessment and subjected to allotment of credits, with 20hrs equivalent to 1 credit.
- Courses which are registered and completed at another Universities/Institutions can be mapped with the course structures of the succeeding semesters as per MR25 regulations, repetition of courses in any semester is not allowed. An additional subject/ substitute subject need to be opted/offered by the Course coordinator through BoS Committee.
- Core courses for which no suitable equivalence is mapped with MR25 regulation shall be completed as per the academic regulation.
- Any shortfall in credit or academic requirements shall be completed through approved courses as per MR25 regulations.

14 Transitory Regulations

Students detained, discontinued, readmitted, or transferred shall be governed by the Transitory Regulations approved by the Academic Council. Credit equivalence, course substitutions, exemptions, promotion requirements, and graduation requirements shall be determined by the concerned Board of Studies and approved by the Academic Council to ensure that no student is academically disadvantaged due to the implementation of revised regulations."

A. For students detained due to shortage of attendance:

1. A Student who has been detained in I Semester of MR25 Regulations due to lack of attendance, shall be permitted to join I Semester of MR25 Regulations and he is required to complete the study of M.C.A. programme within the stipulated period of eight academic years from the date of first admission in I Year.

2. A student who has been detained in any semester of (II, III, IV, V, V) of MR25 regulations for want of attendance, shall be permitted to join the corresponding semester of MR25 Regulations and is required to complete the study of M.C.A., within the stipulated period of eight academic years from the date of first admission in I Year. The MR25 Academic Regulations under which a student has been readmitted shall be applicable to that student from that semester.

B. For readmitted students in MR25 Regulations:

1. A student who has failed in any subject under any regulation has to pass those subjects in the same regulations.
2. The maximum credits that a student acquires for the award of degree, shall be the sum of the total number of credits secured in all the regulations of his/her study including MR25 Regulations. **There is NO exemption of credits in any case.** The performance evaluation of the student will be done after the exemption of two subjects if total credits acquired are ≤ 128.
3. If a student is readmitted to MR25 Regulations and has any subject with 80% of syllabus common with his/her previous regulations, that particular subject in MR25 Regulations will be substituted by another subject to be suggested by the college academic administration.

Note:

If a student readmitted to MR25 Regulations and has not studied any courses/topics in his/her succeeding regulations of study which is prerequisite for further subjects in the ongoing Regulations, then the Department shall conduct Bridge classes to cover those courses/topics for the benefit of the students.

The departments concerned shall conduct Bridge classes to cover those subjects/topics for the benefit of the students.

15 General Rules

a) The academic regulations should be read as a whole for the purpose of any interpretation.
b) In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Academic Council is final.

c) In case of any error in the above rules and regulations, the decision of the Academic Council is final.
d) The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.

14 Scope

- Where the words “he”, “him”, “his”, occur in the write – up of regulations, they include “she”, “her”, “hers”.
- Where the words “Subject” or “Subjects”, occur in these regulations, they also imply “Course” or “Courses”.
- The academic regulations should be read as a whole, for the purpose of any interpretation.
- In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the University Academic Council Committee headed by the Vice Chancellor will be considered as final

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, Malla Reddy (MR) deemed to be University is final.

As per the requirements of the Statutory Bodies, Vice Chancellor, Malla Reddy (MR) deemed to be University, shall be - the Chairman of the University Academic Council.

MALPRACTICES RULES

DISCIPLINARY ACTION FOR IMPROPER CONDUCT IN EXAMINATIONS

Sl.No.	Nature of Malpractices/Improper conduct	Punishment
	If the candidate:	
1. (a)	Possesses or keeps accessible in examination hall any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which student is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the course of the examination)	Expulsion from the examination hall and cancellation of the performance in that course only.
(b)	Gives assistance or guidance or receives it from any other student orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that course only of all the students involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to that course of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that course and all other courses the student has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the courses of that semester. The hall ticket of the candidate shall be Cancelled.

2	Impersonates any other candidate in connection with the examination.	The courses of the examination (including practical's and project work) already appeared and shall not be allowed to appear for examinations of the remaining courses of that semester. The candidate is also debarred for two consecutive semesters from class work and all SEE. The continuation of the programme by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4	Smuggles in the answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that course and all the other courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the courses of that semester. The student is also debarred for two consecutive semesters from class work and all SEE. The continuation of the programme by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that course.
4	Refuses to obey the orders of the Chief Controller of Examinations (CCE) / Controller of Examinations (CE) / Assistant Controller of Examinations (ACE) / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that course and all other courses the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the courses of that semester. The students also are

	officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-incharge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination	debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police cases registered against them.
7	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that course and all the other courses the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the courses of that semester. The candidate is also debarred for two consecutive semesters from class work and all SEE. The continuation of the programme by the student is subject to the academic regulations in connection with forfeiture of seat.
8	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that course and all other courses the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the courses of that semester.

9	If student of the college, who is not a student for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 4 to 8.	Expulsion from the examination hall and cancellation of the performance in that course and all other courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the courses of that semester. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them.
10	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that course and all other courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the courses of that semester.
11	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that course and all other courses the student has appeared including practical examinations and project work of that SEE.
12	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the CCE for further action toward suitable punishment.	

Note: *The student(s) found indulging in malpractices during the CIE also will be punished based on the recommendations of the College Academic Committee.*

Malpractices identified by squad or special invigilators

1. Punishments to the students as per the above guidelines.

M.C.A. DEGREE WITH ADDITIONAL MINOR PROGRAMME

A student will be eligible to get M.C.A. Degree with Additional Minor Programme in a discipline other than one's own, if he/she completes an additional 18 credits, in addition to basic degree 120 credit requirements. These additional 18 credits can be acquired through MOOCs between III, IV and V semester within the 2 year M.C.A Programme.

Guidelines:

- By opting for Additional Minor Programme, the student shall earn at least Eighteen (18) additional Credits of Professional Courses. These additional credits shall be acquired through MOOCs from the list of courses for Minors, prescribed by the respective departments.
- These additional Eighteen (18) Credit Courses shall not be part of the regular Curriculum and these courses must be approved by the respective department BoS.
- Additional Minor Programme is open to all current Undergraduates who have taken admission under university.
- Students must ensure that he/she shall earn these additional Credits before the completion of the regular Course.
- It is the Student's responsibility for registering the Courses through ONLINE and the required Registration Fee shall be borne by the respective Student.
- Students shall be permitted to take a maximum of 2 theory courses / courses equivalent to 4 credits during any semester for additional learning towards Additional Minor Programme curriculum.
- By the end of April of every academic year, respective departments will notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the courses listed in the Curricula of Additional Minor programme(s) offered by their departments.
- The department can propose a new course(s) if any of the listed equivalent course(s) are not available in MOOCs.
- No backlogs during the study
- A student after registering for a Minor Programme can withdrawn at any time. However, if the student earns the required 120 credits of M.C.A., he/she will be awarded only M.C.A. degree in the concerned branch.

Minor courses offered in different specializations:

1. Data Science

Sl.No	Professional Elective
1	Basics of Data Analytics using Spreadsheet
2	Data Visualization
2	Introduction to Data Science
4	Time Series Analysis
5	Machine Learning
4	Big Data Analytics
7	Exploratory Data Analysis
8	Business Intelligence & Analytics
9	Data Mining & Warehousing
10	Advanced Data Visualization
11	Cloud Computing for Data Analytics
12	Data Security & Privacy

2. Artificial Intelligence & Machine Learning

Sl.No	Professional Elective
1	Feature Engineering
2	Introduction to ML
2	Neural Network
4	Digital Image Processing
5	Natural Language Processing
4	Deep Learning for Computer Vision
7	Predictive Analysis
8	Explainable AI
9	Evolutionary Algorithm
10	Speech Recognition
11	Augmented Reality & Virtual Reality
12	Security aspects of ML

M.C.A. DEGREE WITH HONORS

A student will be eligible to get M.C.A. Degree with Honors in one's own discipline, if he/she completes an additional 40 credits, in addition to basic degree 120 credit requirement after 2 years of M.C.A Course Duration. These additional 40 credits can be acquired through the following guidelines:

Guidelines:

- By opting for 'Honors', the student shall earn at least Eighteen (40) additional Credits (Professional Courses, Discipline Specific Electives, Internship and Project). These additional credits shall be acquired through MOOCs (40% of credits per semester) from the list of courses for Honors, prescribed by the respective department.
- These additional Forty (40) Credit Courses shall not be part of the regular Curriculum and these courses must be approved by the respective department BoS.
- "Honors" is open to all current M.C.A. Undergraduates who have taken admission under University.
- Students must ensure that he/she shall earn these 40 Credits before the completion of the regular Course (VII & VIII Semester).
- It is the Student's responsibility for registering the MOOCs Courses through ONLINE and the required Registration Fee shall be borne by the respective Student.
- Students shall be permitted to take a maximum of 2 theory courses / courses equivalent to 4 credits through MOOCs during VII & VIII semester towards Honors curriculum.
- By the end of April of every academic year, respective departments will notify the list of equivalent courses in SWAYAM-NPTEL MOOCs / other standard MOOCs against the courses listed under Honors curriculum.
- The department can propose a new course(s) if any of the listed equivalent course(s) are not available in MOOCs.
- No backlogs during Course of study and maintain at-least 7.5 CGPA.