

MCA REGULATIONS FULL TIME

REGULATIONS

1.0 Admission

- 1.1 The number of seats in MCA programme for which admission is to be made in the Faculty of Computer Science and IT will be decided by the Board of Management of Jharkhand Rai University.
- 1.2 The minimum Qualification for admission to MCA programme (Regular) shall be : Pass in the Bachelor's degree examination of any authority, recognized by this University.
- 1.3 Admission to the MCA programme in any academic year will be based on the results of Entrance Test (JRUEE) in that year /the percentage of marks or CGPA obtained in the qualifying examination. The minimum percentage of marks or CGPA for appearing in the entrance test will be as prescribed by the University.
- 1.4 The eligibility criteria, for appearing at Entrance Test, as well as the criteria to be satisfied to apply for direct admission in any year will be decided by the Admission Committee.
- 1.5 The Admission Committee will decide on the procedure for conducting the JRUEE. At the time of admission, a candidate should have appeared / passed in the final examination of the qualifying examinations.
- 1.6 Notwithstanding the above, the actual admissions will be based on the rules and regulations of the UGC/Competent authorities.
- 1.7 The selected candidate will be admitted to the MCA programme after he or she completes the admission formalities and pays the prescribed fees.
- 1.8 In the matter of admission to the MCA programme the decision of Admission Committee is final
- 1.9 If at any time after admission, it is found that a candidate has not fulfilled all the requirements stipulated in the offer of admission, the Director/Dean Faculty of Computer Science and Information Technology may revoke the admission and report the matter to the Vice Chancellor.

2.0 ELIGIBILITY FOR MCA REGULAR PROGRAMME (3 Years Duration)

The candidates seeking admission to the MCA Degree programme shall be required to have passed:

- a. A Bachelor's Degree in any discipline with Mathematics as one of the subjects at the Higher Secondary level (i.e. in +2 level of the 10+2 pattern) or any equivalent course.

OR

- b. A Bachelor's Degree in any discipline without Mathematics as one of the subjects at the Higher Secondary level (i.e. in +2 level of the 10+2 pattern). The candidate should qualify an extra paper PPC (Preparatory program in computing) during first two semesters.

2.1 ELIGIBILITY FOR Lateral Entry Programme (2 Years Duration)

- a. Pass with minimum aggregate of 45 % in B.C.A / B.Sc. in Computer Science / Information Technology or any other equivalent courses recognized by the university.
- b. The students eligible for lateral entry shall be exempted from the first year of regular MCA Programme.

3.0 DURATION AND STRUCTURE OF THE PROGRAMME

- 3.1 The programme is organized on semester basis with a total of six semesters.
- 3.2 A candidate shall be required to complete the course of study and qualify for the MCA Degree programme within minimum three years (6 consecutive semesters) and maximum Five years (10 consecutive semesters) from the date of admission to the last semester of the Degree programme. In the case of **Lateral Entry in MCA** programme, candidate shall be required to complete the course of study and qualify for this degree programme within minimum two years (4 consecutive semesters) and maximum four years (8 consecutive semesters) from the date of admission to the last semester.
- 3.3 The complete programme will consist of 4 categories: 1) Core courses 2) Functional and industry based elective courses and general courses 3) Projects and viva voce 4) Two Assignments
- 3.4 MCA programme will have a curriculum and course contents (syllabi) for the courses approved by the Academic Council.
- 3.5 Credits are assigned to the courses based on the following general pattern:
One credit for each lecture (L) period;
One credit for two tutorial (T) periods;
One credit for two laboratory/practical/project/seminar (P) periods
Theory based courses are that with 'L' & 'T' or 'L' alone or 'T' alone.
Courses with theory and practical components are that with 'L', 'T' & 'P' or 'T' & 'P' or 'L' & 'P'. Courses with only practical component are that with 'P' alone.

3.6 The curriculum of MCA programme is designed to have a total of minimum 120 credits for the award of the MCA degree for 3 years and minimum of 80 credits for lateral entry.

3.7 The medium of instruction and examination will be in English.

4.0 Mentorship Programme

4.1 Jharkhand Rai University have a '**Mentorship Program**' for the betterment of the students where the teachers are assigned a particular class/ section for mentoring them

4.2 **Mentor** acts as a bridge between the students and the university. They monitor their academic as well as personal growth. In academic progress, the mentor looks after their attendance, discipline, assignments, examination, class notes etc. For personal growth, a mentor empathizes with the students. They assess the causes of their personal problems and try to cater their needs as and when required and wherever possible. The concerned teacher mentor gives students a platform to take some responsibility of themselves and their classmates and assign few students as a '**Class Representative**' and '**Peer Mentors**'.

4.3 The concerned **Mentor** selects two students for **Class Representatives** of the particular class who in turn take the responsibility of the class. They act as a bridge between the students and the mentor. They are responsible for any academic and nonacademic activities of all the students of their respective classes. Besides this they are not only responsible for maintaining discipline inside the class but they are also responsible for informing students about various notices, class timings etc. They meet the mentor on daily basis, discuss about any issues related to the class and immediately get a solution for the same. The mentors keep a regular check of the class activity on daily basis through the Class Representatives.

4.4 **Peer Mentors** take charge of a group of students and are responsible for helping other students of the class in studies, notes and other academic problems. Students who have a sound academic background are elected as peer mentors. This inculcates leadership and team building in the students.

4.5 Teacher Mentors deals with the problems and gives the solution related to social, psychological, emotional and academic issues of the students wherever possible. The students always feel free to discuss their concern with their mentor. The teacher mentor

always encourages the students to express their grievances / problems freely and frankly, without any fear.

5.0 Class Committee

- 5.1 A class committee consists of teachers of the MCA programme, Class representatives, the Head of the Department and Chairperson Dean.
- 5.2 The constitution of Class committee for the programme of each semester will be as follows:
- a. Teachers of the Programme
 - b. Two students of class chosen as Class Representative of the class.
 - c. One Professor, preferably not associated with teaching of the class, to be nominated by the Dean to act as the Chairman of the class committee
 - d. Faculty Mentor of the respective class.
- 5.3 The basic responsibilities of the class committee are
- a. To review periodically the progress of the classes,
 - b. To discuss problems concerning curriculum and syllabi and the conduct of the classes
 - c. Informing the student representatives about the academic schedule including the dates of assessments and the syllabus coverage for each assessment.
 - d. The method of assessment in the course will be decided by the teacher in consultation with the class committees and will be announced to the students at the beginning of the semester.
 - e. Analyzing the performance of the students of the class and finding the ways and means of solving problems, if any.
 - f. Identifying the weak students, if any requesting the teachers concerned to provide some additional help or guidance or coaching to such weak students.
 - g. The class committees shall meet at least twice in a semester, once at the beginning of the semester and once towards the end of the semester.
- 5.4 The class committee shall be constituted on the first working day of any semester or earlier.

6.0 Registration and Enrolment

Students are enrolled after they pay the prescribed fees. Registration and enrolment will be controlled by the office of the Faculty of Computer Science and Information Technology. For a student to attend classes he/she has to complete both Registration and Enrolment.

A student will be eligible for enrolment in next subsequent year only if he/she satisfies the eligibility criteria as in 6.1 and will be permitted to enroll only if he/she has cleared all dues to the University, Hostel, Library etc. as on date mentioned in their admission letter and he/ she is not debarred for enrolment by a disciplinary action of the university.

6.1 Registration / Enrolment Requirement

The registration requirement is stipulated below:

To enroll for	Minimum no. of credits to be earned
III semester	50% of the credits registered in I&II semester.
V semester	50% of the credits prescribed in I to IV semesters.

In case the student does not meet the above requirements he/she shall discontinue the studies temporarily, earn the requisite credits and re-join the programme in the semester where he/she discontinued. Further at the time of readmission no disciplinary action shall be in force against the student.

7.0 Maximum duration of the programme

Each semester shall normally consist of 90 working days or 450 hours. A student is ordinarily expected to complete the MCA programme in SIX semesters and FOUR semesters for MCA (Lateral) programme . However a student may complete the programme at a slower pace by taking more time but in any case not more than 10 semesters under regular MCA programme and 8 Semesters under MCA (Lateral) programme excluding semesters withdrawn on medical grounds etc.

8.0 Temporary withdrawal from the programme

A student may be permitted by the Director/Dean of the Faculty of Computer Science and Information Technology to withdraw from the programme for a semester or longer for reasons of ill health or other valid reasons. Normally a student will be permitted to discontinue from the programme only for a maximum continuous period of two semesters.

9.0 Attendance

Attendance is the physical presence of the students in the class. It is a well observed fact that the students who score good grades are those who attend classes regularly. Therefore the students must attend all the classes without fail.

A MCA student will be deemed to have completed the course in any semester only if

- a. He / She secures not less than 75% of attendance in overall course in that semester on the total number of period offered in that course during that semester. Condonation of attendance up to 10% is permitted on medical grounds. Relaxation in attendance is permitted up to 10% for students who represent the University in sports, games, cultural, symposium and other similar activities. The above two relaxations either individually or jointly should not exceed 10% but it is applicable for individual course.
- b. His / her progress and conduct have been satisfactory throughout the semester.
- c. Condonation should be applied for, through proper channel and should be approved by the Dean.

A candidate who is not permitted to appear for the University examinations due to lack of attendance requirements will have to re-register themselves in the same semester by paying the Semester Fees and do the courses when they are offered subsequently.

10.0 Assessment procedure

- 10.1 The complete academic performance of a student is evaluated internally by the concerned teachers/departments.
- 10.2 The student's performance in each course, in general, is evaluated based on in-semester assessment (internal marks) and end semester examination.
- 10.3 The assessment method is further detailed below:

(a) Theory Courses

Assessment tool	Weight age	Remarks
Assignment 1	10%	Individual or group assignment to be submitted by the student and presentation/ Viva- Voice supervise by the concerned faculty
Assignment 2	10%	Individual or group assignment to be submitted by the student and presentation/ Viva- Voice supervise by the concerned faculty presentation/ Viva- Voice supervise by the concerned faculty
Class Participation	10%	Active participation in class: Raising doubts and questions / Taking initiative/ Participating in discussion / Seminar presentation / Notes Making
End semester Examination	70%	Duration – 3 hours

10.4 Practical Examination : 50 marks
(30 marks internal 20 marks external)

10.5 Project Evaluations

MCA Projects as far as possible should be corporate based, research oriented and socially relevant engagements. Every student is expected to complete this requirement successfully in time.

10.6 Project Work: An Industrial project is also given to students which is evaluated in two phases aggregating to 200 marks. In Phase I, 100 marks awarded by Faculties for the project report, presentation seminar and viva voce. In phase II, at the time of end semester the balance 100 marks is awarded by the external expert.

11.0 Examination

11.1 Registration for the University Examination is mandatory.

11.2 The End semester examination will be ordinarily conducted during November to December in the odd semesters and during May to June in the even semester

11.3 The question papers for all the theory courses consists of three sections namely SECTION-A, SECTION- B & SECTION-C. Section –A consists of short answer type questions of 5 marks each, Section-B consists of Long answer type questions of 10 marks each and Section –C consists of application based question of 20 marks.

11.4 All the practical examinations including project work, Viva Voce will be conducted by internal and/ or external examiners appointed by the university.

11.5 The student's performance in the semester will be evaluated on the basis of continuous class assessment and end semester examination. The continuous assessment of the student is based upon the assignment submitted and the class participation. The assessment marks are provided at the end of semester. The end semester assessment shall be comprised of written Examination, Project reports, Practical's and Viva- Voce.

11.6 The distribution of marks for assessment, end semester theory papers, Projects and sessional shall be as prescribed in the course scheme.

11.7 The marks obtained in the course comprises of marks obtained in continuous assessment in the class and End semester Examination for both theory and sessional papers.

11.8 Minimum Pass marks in each theory subject including continuous assessment marks should be at least 35%. With a minimum of 30% marks in each theory paper in the end semester examination.

11.9 The minimum Pass marks in Sessional/Viva Voce/Project report is 50%.

11.10 It is essential for the student to pass in the non-credit courses in order to qualify for the award of degree.

12. Promotion:

A candidate satisfying all the requirements of the Clause 11.8 & 11.9 shall be promoted to the next academic year.

12.1 Candidate shall be eligible for provisional promotion to the next academic year provided:

- I. For enrolment in 2nd Year, he/ she earn at least 50% of the total credit of the Ist and IInd Semester. (Ist Year).
- II. The student who will not be able to fulfill the above requirement will be discontinued from the program me temporarily at the end of first year.
- III. For enrolment in 3rd Year, he/ she earn at least 50% of the total credit of the Ist and IInd year.
- IV. The student who will not be able to fulfill the above requirement will be discontinued from the program me temporarily at the end of second year.
- V. If a candidate fails to secure a pass in particular course/courses, he/she should continue to register and reappear for the examination till he/she secures a pass.
- VI. Students will be provided with the maximum course duration i.e. 5 years in case of MCA 3 years and 4 years in case of MCA Lateral to complete the program

12.2 The student must complete the requirements within the maximum time allowed.

12.3 The student must complete all the non-credit requirements as specified by the university from time to time.

12.4 The student who is unable to fulfill the requirement mentioned in clause 12.2 and 12.3 will be terminated from the programme.

Table:

Master Of Computer Applications	
Year/Course	Credits
1st Year	40
2nd Year	40
3rd Year	40

Total Credits in each year

Table:

To enroll for	Minimum no. of Credits to be earned	MCA(Minimum)
1st Year		
2nd Year	50% of the credits required in 1st year	20
3rd Year	50% of the credits required in 1st and 2nd year (till 2nd year)	40

Total credits required to earn each academic year

12.5 However, in special cases the final decision regarding promotion and termination lays at the discretion of the Vice-Chancellor.

12.6 For Students who have completed the normal duration of the program but still have the courses with F Grades, the full marks (100%) shall be assigned to the marks scored in the subsequent attempt (Reappear/Supplementary Examination) and the marks of internal assessment scored during the program will be ignored.

13. Award of Letter Grades

13.1 All assessment of a course will be done on absolute basis. However, for the purpose of reporting the performance of a candidate, letter grades each carrying certain points, will be awarded as per the range of total marks obtained by the candidate.

- **Credit scheme applicable for academic sessions from June 2012 & June 2013.**

Division of Grades:

% Range	Grade	Grade Point
95 – 100	A++	4
90 – 94	A+	3.8
85 – 89	A	3.5
80 – 84	A-	3.2
75 - 79	B++	3
70 - 74	B+	2.8
65 - 69	B	2.5
60 - 64	B-	2.2
55 - 59	C++	2
50 - 54	C+	1.8
45 - 49	C	1.5
40 - 44	C-	1.2
35 - 39	D	1

Grade Secured 'E' in any subject means reappear in that subject.

- **Credit scheme applicable from academic session June 2014**

Division of Grades

% Range	Grade	Grade Point	% Range	Grade	Grade Point
90 & ABOVE	O	10	50 - 59	B	6
80 - 89	A+	9	40 - 49	C	5
70 - 79	A	8	35 - 39	P	4
60 - 69	B+	7	< 35	F	0

- **To earn academic credit in a course a student should get a grading of 'P' or above.**
- **Ab denotes absent in subject.**

13.2 After the results are declared, Grade sheets will be issued to each student, consisting of the list of courses enrolled during that semester, the grade scored and the Semester Grade Point Average for the semester.

SGPA will be calculated as

$$\text{SGPA} = \frac{\text{Total credit points}}{\text{Total Credits}}$$

$$\text{Credit Points} = \text{Credit(s) for the course} \times \text{Grade Point}$$

13.3 The Grade sheet for Final Semester will include the list of courses enrolled during that semester, the grade scored, semester Grade point average for the semester and Cumulative Grade Point Average.

CGPA will be calculated in a similar manner, considering all the courses enrolled from the first semester.

14. Discipline

14.1 Every student is required to observe discipline and decorous behaviour both inside and outside the campus and not to indulge in any activity that will tend to bring down the prestige of the university.

14.2 Any act of indiscipline of a student will be considered first by the HOD. If the issue demands more serious consideration the indiscipline will be reported to the Director/Dean who will refer it to Discipline and welfare committee of the university, constituted by the Vice Chancellor. The committee will enquire into the charges and

recommend suitable actions if the charges are substantiated. The Dean will take appropriate action based on the recommendation of the Committee.

14.3 Dean may suspend a student pending inquiry depending upon the prima facie evidence. If on completion of inquiry the student is declared innocent, he /she shall be given attendance during the period of suspension

14.4 Appeal: The student may appeal to the Vice Chancellor whose decision will be final and binding.

15.0 Eligibility for the award Degree

A student shall be declared eligible for the award of Degree provided:

a. The student has successfully completed the entire course requirement and has passed all the prescribed examination within the maximum duration allowed for the program.

b. No disciplinary action is pending against the student.

16.0 Revision of Regulations and Curriculum

The Academic Council of Jharkhand Rai University may from time to time revise, amend or change the regulations, scheme for examinations and syllabi if found necessary.