

ANNEXURE XX

K.L.University
Vaddeswaram-522501 (A.P) INDIA

MCA ACADEMIC REGULATIONS

**Applicable for students admitted into
MCA (Regular) from 2011-2012**

ACADEMIC REGULATIONS

FOR THE AWARD OF FULL TIME MCA DEGREE

(WITH EFFECT FROM THE ACADEMIC YEAR 2011-12)

The K.L University, Vaddeswaram shall confer MCA post graduate degree to candidates who are admitted to the **Master of Computer Applications (MCA)** Programs and fulfill all the requirements for the award of the degree.

1.0 ELIGIBILITY FOR ADMISSIONS:

Admission to the MCA programme shall be made subject to the eligibility, qualifications and specialization prescribed by the University for the Programme, from time to time.

Admissions shall be made either on the basis of merit rank obtained by the qualifying candidates at an Entrance Test conducted by the K.L. University or on the basis of ICET score, subject to reservations prescribed by the University or Government policies from time to time.

COURSE WORK:

A Candidate after securing admission must pursue the MCA course of study for six semesters duration.

Each semester shall be of 90 instructional days.

A candidate admitted to a programme should complete it within a period equal to twice the prescribed duration of the programme from the date of admission.

ELIGIBILITY:

A candidate shall be deemed to have eligibility to write comprehensive examinations if he has put in at least 75% of attendance and 40% in internal marks in each courses/courses in the semester and detention will be course based.

Condonation of shortage of attendance up to 10% i.e., from 65% and above and less than 75% may be given by the university on the recommendation of the Dean Academics.

Condonation of shortage of attendance may be granted only on genuine and valid medical reasons on representation by the candidate with supporting evidence.

If the candidate does not satisfy the attendance requirement he is detained for want of attendance and shall reregister again for that course.

EVALUATION:

The performance of the candidate in each semester shall be evaluated course wise, with a maximum of 100 marks for pure Theory courses and 100 marks for Theory and practical, on the basis of continuous Internal Evaluation and Semester end comprehensive Examination.

For the theory courses 60% of the marks will be for comprehensive Examination while 40% of the marks will be for continuous Internal Evaluation as given in the table below.

For practical courses, 60 marks shall be for the comprehensive Examinations and 40 marks will be for internal evaluation based on the day to day performance.

A candidate shall be deemed to have secured the minimum academic requirement in a course if he secures a minimum of 40% of marks in the End Examination (Separately in both theory and lab components). The same is applicable for laboratory courses also.

In case the candidate does not secure the minimum academic requirement in any of the courses (as specified in 4.4.) he has to reappear for the comprehensive Examination either supplementary or regular in that course, or repeat the course when next offered or do any other specified course as may be required

Distribution of Weightage

S.no	Nature of examination	Marks %	Type of examination and mode of Assessment		Scheme of examination	
1	*Theory	60	Comprehensive examination (Semester end examination)		This examination question paper in theory courses will be for a maximum of 60 marks.	
		40	20	Test - 1	2 mid - exams each for 20 marks and of 1 1/2 hr duration are to be conducted. For a total of 20 marks, 75% of better of the two and 25% of the other are added and reported.	
				Test - 2		
			5	Assignment Test		6 Questions to be released in advance. 2 Questions allotted by Examiners choice to be answered. duration 45 min
			5	Home Assignments		Average of Home Assignments minimum 2 per course
			5	Surprise Quiz		Average of maximum of two surprise quizzes per course
5	Attendance/Class notes	5 marks are allotted for attendance and class notes				
2	*Practical	60	semester - end Lab examination		60 marks are allotted for semester end laboratory/drawing examination.	
		40	20	Internal evaluation	Mid term Lab Tests in lab experiments/drawing/Job works and Record	
			15	Internal evaluation	Continuous Viva Voce evaluation	
			5 marks		Attendance.	
3	Dissertation /Project	50%	100	Internal evaluation	Two Status reports-50 marks Two Seminars-50 marks	
		50%	100	External evaluation	Final report-50marks Viva-voce-50 marks	

*Note: 1. For pure Theory & pure Lab courses follow the above evaluation
2. For Combined Theory & Lab courses follow the proportion rule as given below

3-0-2 nature Theory Credits & Lab Credits are in 3:1 ratio Hence the Internal marks evaluated for Theory & Lab as above to be divided in the ratio 3:1 and clubbed

3-1-2 nature Theory & Lab credits are in 4:1 ratio. Hence the Internal marks evaluated for Theory & Lab as above to be divided in the ratio 4:1 and clubbed.

5.0 EVALUATION OF DISSERTATION/PROJECT

Every candidate shall be required to submit Dissertation/Project after taking up a topic approved by the Dept/University.

- 5.1 Registration of Dissertation/Project: A candidate is permitted to register for the Dissertation/Project work either in Campus/Industry/Research Institute provided he is not detained in more than two courses.
- 5.2 An Internal Departmental Committee (I.D.C) consisting of HOD, Supervisor and one internal senior expert shall monitor the progress of the Dissertation/Project.
- 5.3 The work on the Dissertation/Project shall be initiated in the final (VI) semester. The candidate can submit Dissertation/Project with the approval of I.D.C. at the end of VI semester. Extension of time within the total permissible limit for completing the programme is to be obtained from the Dean academics..
- 5.4 The student must submit status report at least in three different phases during the project work period. These reports must be approved by the I.D.C before submission of the Project Report.
- 5.5 A candidate shall be allowed to submit the Dissertation/Project only after passing in all the prescribed courses (both theory and practical) and then take viva voce examination of the project. The viva-voce examination may be conducted once in two months for all the candidates submitted during that period.
- 5.6 Four copies of the Dissertation/Project certified in the prescribed format by the supervisor & HOD shall be presented to the HOD. One copy is to be forwarded to the University library and one copy to be sent to the examiner, remaining copies will be with Dept office and Supervisor.
- 5.7 The Department shall submit a panel of three experts for a maximum of 5 students at a time. However, the Dissertation/Project will be adjudicated by one examiner nominated by the Vice Chancellor.
- 5.8 If the report of the examiner is favorable viva-voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the examiner who adjudicated the Dissertation/Project. The board shall jointly report candidates work as

based on the total marks obtained for Dissertation/Project through both internal evaluation and external valuation .

If the report of the viva-voce is not satisfactory the candidate will retake the viva-voce examination after three months. If he fails to get a satisfactory report at the second viva-voce examination he will not be eligible for the award of the degree unless the candidate is permitted to revise and redo the Dissertation/Project.

6.0 AWARD OF DEGREE AND CLASS:

A candidate shall be eligible for the award of respective degree if he satisfies the minimum academic requirements in every course and secures ‘satisfactory’ or higher grade in the courses/report on his Dissertation/Project and viva-voce.

For the award of MCA degree a student must have earned stipulated credits (as approved by B.O.S)and obtained a minimum CGPA of 5.5 .

MCA Degree with Second class will be offered to those having $CGPA < 6.5$

MCA Degree with First class will be offered to those having $CGPA \geq 6.5$

and first class with distinction will be offered to those having $CGPA \geq 7.5$ Provided the student has cleared all the courses in first attempt within the stipulated time

At the end of all evaluation components based on the performance of the student in courses and seminars , each student is awarded with **letter grade** on a **relative scale**. The list of letter grades and its connotation are given below:

Grade	Qualitative Meaning	Grade attached	Point
<i>X</i>	Excellent		10
<i>A</i>	Very Good		8
<i>B</i>	Good		7
<i>C</i>	Fair		6
<i>D</i>	Satisfactory		5
<i>E</i>	Pass		4
<i>F</i>	Fail		0

The grades ‘X’ and ‘F’ will be earned and remaining grades will be awarded. For grading Dissertation/Project work follow the procedure specified to an individual student. A student scoring 80% or more of overall score will earn an ‘X’ grade.

A student getting less than 50% of overall score and 40% in the comprehensive examination will be considered to have earned *F* grade.

7.0 WITH – HOLDING OF RESULTS:If the candidate has not paid dues to the university or if any case of in-discipline is pending against him, the result of the candidate shall be withheld and he will not be allowed/ promoted into the next higher semester. The issue of degree is liable to be withheld in such cases.

COURSE STRUCTURE FOR THREE(3) YEAR MCA P.G PROGRAMME

2010-12 batch onwards

FIRST YEAR												
FIRST SEMESTER						SECOND SEMESTER						
Code	Course	Hours			Credits	Code	Course	Hours			Credits	
		L	T	P				L	T	P		
MC101	Foundations of Information Technology	3	0	4	5	MC 201	Data Structures	3	1	2	5	
MC 102	Problem Solving	3	1	2	5	MC 202	Database Management Systems	3	1	2	5	
MC 103	Computer System Architecture	4	0	0	4	MC 203	Operating Systems	4	0	0	4	
MC 104	Discrete Mathematics	3	1	0	4	MC 204	Probability & Statistics	3	1	0	4	
MC 105	Accounting & Financial management	3	1	0	4	MC 205	Language Processors	4	0	0	4	
MC 106	CSS1	2	0	1	3	MC 206	CSS2	2	0	1	3	
Total Credits:					25	Total Credits:					25	
SECOND YEAR												
FIRST SEMESTER						SECOND SEMESTER						
Code	Theory Course	Hours			Credits	Code	Theory Course	Hours			Credits	
		L	T	P				L	T	P		
MC 301	Unix Programming	3	1	2	5	MC 401	Oops Through Java	3	1	2	5	
MC 302	Software Engineering	4	0	2	5	MC 402	Cryptography & Network Security	3	1	2	5	
MC 303	Computational Mathematics	3	1	0	4	MC 403	Design and Analysis of Algorithms	4	0	0	4	
MC 304	Computer Networks	4	0	0	4	MC 404	Elective-II	3	0	0	3	
MC 305	Elective-I	3	0	0	3	MC 405	Elective-III	3	0	0	3	
MC 306	CSS3	2	0	1	3	MC 406	CSS4+MiniProject	2	0	1	3	
Total Credits:					24	Total Credits:					23	
THIRD YEAR												
FIRST SEMESTER						SECOND SEMESTER						
Code	Theory Course	Hours			Credits	Code	Theory Course	Hours			Credits	
		L	T	P				L	T	P		
MC 501	Web Technologies	3	1	2	5	MC 601	Project/Dissertation				18	
MC 502	Data Warehousing & Mining	3	1	2	5							
MC 503	Elective IV	3	0	0	3							
MC 504	Elective V	3	0	0	3							
MC 505	Elective VI	3	0	0	3							
MC 506	Research Methodology +Term paper	2	0	1	3							
Total Credits:					22	Total Credits:					18	

* Whether to include lab component in a core course or not is left to the discretion of individual BOS depending on the requirement. If lab component is included the course carries 5 credits otherwise all theory courses shall be for 4 credits.

* Common syllabus and 3-0-0 pattern will be followed for Research methodology course in the 3 rd semester.

* The weightage for the lab component in the T-L structure is decided proportional to the credits offered for theory and lab.

8.0 TRANSITORY REGULATIONS:

Candidates who have discontinued or have been detained for want of attendance or who have failed after having undergone the course in earlier regulations and wish to Continue the course are eligible for admission into the unfinished semester from the date of commencement of class work with the same or equivalent courses as and when Courses are offered, whereas he continues to be in the academic regulations he was first admitted.

9.0 GENERAL:

- i. The academic regulations should be read as a whole for purpose of any interpretation.**
- ii. Malpractices rules- nature and punishments is appended.**
- iii. Where the words “he”, “him”, “his”, occur in the regulations, they include “she”, “her”, “hers”.**
- iv. In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.**
- v. The University may change or amend the academic regulations or syllabi at any time and the changes or amendments shall be made applicable to all the students on rolls with effect from the dates notified by the University.**