



Speed Post

GOVERNOR'S SECRETARIAT, BIHAR
RAJ BHAVAN, PATNA-800022

Letter No.-LNMU(Regulation)- 07/2013- /GS (I), Dated
From,

N.K. Singh
Under Secretary

To,

The Vice Chancellor,
L.N. Mithila University,
Darbhanga.

Sub:- Approval of Ordinance and Regulations of Post-Graduate Programme of Master of Computer Application (MCA), under self-financing scheme of L.N. Mithila University, Darbhanga for the session 2012-15 and 2013-16

Sir,

I am directed to invite a reference to the University's letter no. CR/131/14 dated 12.04.2014, letter no. 6931/14 dated 19.06.2014 and letter no. 8241/14 dated 21.07.2014 on the subject noted above and to inform that Hon'ble Chancellor after due consideration of the proposal for approval of above said Ordinance and Regulations of the University, advice of the Advisory Committee and in exercise of the powers vested in him under Section 38 (4) and 39 (2) (ii-proviso) of the Bihar State Universities Act, 1976, as amended upto date, has been pleased to approve the Ordinance and Regulations of Post-Graduate Programme of Master of Computer Application (MCA), under self-financing scheme of L.N. Mithila University, Darbhanga for the Session 2012-15 and 2013-16 with the condition to seek the approval of Senate in its next meeting and communicate the same to Governor's Secretariat, Bihar.

The Hon'ble Chancellor has further been pleased to order to direct the University not to admit students to any new course in future without prior approval of the Ordinance and Regulations of the course by the Hon'ble Chancellor.

Further necessary action may kindly be taken accordingly.

Yours faithfully,

Encl.- As above.

Sd/-

(N.K. Singh)
Under Secretary

Memo No.-LNMU(Regulation)-07/2013- /GS (I), Dated

Copy alongwith copy of approved Ordinance and Regulations of Post-Graduate Programme of Master of Computer Application (MCA), under self-financing scheme of L.N. Mithila University, Darbhanga for the Session 2012-15 and 2013-16 forwarded to Principal Secretary, Education Department, Govt. of Bihar, Patna for information and necessary action.

Encl.-As above.

Sd/-


(N.K. Singh)

Memo No.-LNMU(Regulation)-07/2013-1385 /GS (I),

Dated 19.09.2014

Copy alongwith copy of approved Ordinance and Regulations of Post-Graduate Programme of Master of Computer Application (MCA), under self-financing scheme of L.N. Mithila University, Darbhanga for the Session 2012-15 and 2013-16 forwarded to Scientist-D, In charge, Computer Cell, Raj Bhavan, Patna for uploading on the website of Raj Bhavan, Patna/Guard File of Regulations and Ordinance of L.N. Mithila University, Darbhanga.

Encl.-As above.

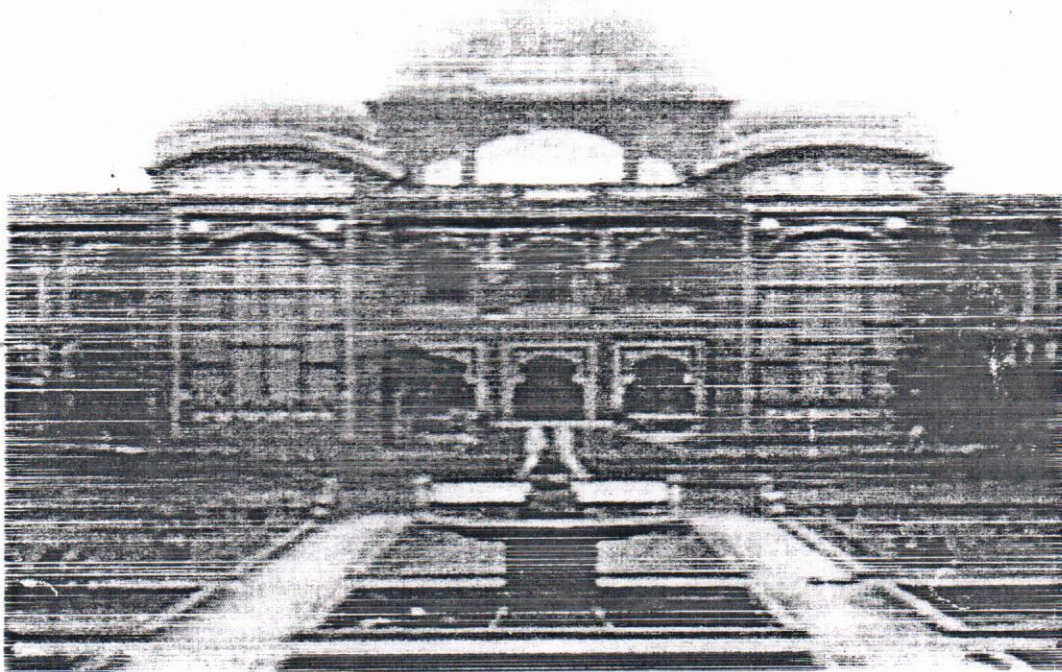

(N.K. Singh)
Under Secretary

MITHILA UNIVERSITY

KAMESHWARNAGAR, DARBHANGA.

TRANSITORY REGULATIONS AND ORDINANCE FOR THE POST
GRADUATE PROGRAMME OF MASTER OF COMPUTER APPLICATIONS (MCA)

Master of Computer Applications



Master of Computer Applications
L. N. MITHILA UNIVERSITY, DARBHANGA.

415

TRANSITORY REGULATIONS AND ORDINANCE FOR THE POST GRADUATE PROGRAMME (MCA) OF L. N. MITHILA UNIVERSITY, DARBHANGA.

1. Definition, Session & Courses:

- 1.1 These Transitory regulations shall be called the "Transitory Regulations for the Post graduate programme of Master of Computer Application" (MCA), L. N. Mithila University, Darbhanga.
- 1.2 These Transitory regulations shall be effective for the academic session 2012-15 & 2013-16.

2. POST GRADUATE PROGRAMME OF MCA :

- 2.1 The academic programme in the University shall be based on semester system and the duration of the programme leading to MCA degree will be of three year duration, consisting of two semesters per year i.e. a total of six semesters. University will ensure a minimum of 20 weeks of teaching per semester to complete the academic programme for that semester..
- 2.2 The maximum period available for a student to complete the programme is six years which include the period of withdrawal, absence and different kinds of leave permissible to a student but it shall exclude the period of rustication, if any. After the expiry of six years, the student will be deemed to have withdrawn from the course.
- 2.3 The curriculum shall consist of lectures, tutorials, practicals and project (s) as per the provisions of the syllabus.

3. ELIGIBILITY

Admission to 3 year PG course in Master of Computer Application (MCA) is open to all students having a recognized Bachelor Degree with honors of minimum three year duration in any discipline with minimum 50% (45% in case of candidate belonging to reserved category) marks at graduate level having passed in **Mathematics** as one of the subjects at the +2 level of the 10+2 pattern or Intermediate/ or equivalent Examination. All engineering graduates and Bachelor of Computer Application (BCA) graduates are also eligible for the admission. The admission to MCA Programme will be through entrance test conducted by the University.

Dr. S. K. Mishra
19.8.14

B. C. Mishra
19.8.14

[Signature]

1
[Signature]
19.8.14

[Signature]
21.7.14

(17)

Candidates appearing in the qualifying exam are eligible to appear in the Entrance Test for MCA, however, if selected, their admission will be subject to passing the qualifying exam with minimum qualifying marks as mentioned above at the time of admission.

The admission of any student admitted may be cancelled if it is found at any later point of time that document/ documents submitted or statement made by the student in support of his/her admission is not genuine or correct.

4. ATTENDANCE:

Candidates are expected to attend all classes i.e.100% attendance. However, for appearing in the end semester examination 75% attendance is essential. If a student has less than 75% attendance due to illness, accident or any other reasons, he/she will not be permitted to appear in the end semester examination to be conducted by the LNM University, Darbhanga. He/She will have to repeat the whole semester.

Notwithstanding anything contained in these transitory Regulations, if a student admitted to the course has absented continuously for a period of two months without any information or valid reasons during the first semester, his/her name will be struck off from the admission register.

5. EXAMINATION :

The L.N.M. University shall conduct the mid and end semester examinations as per the following scheme:

Course structure for three years MCA Programme of L. N. Mithila University, Darbhanga.

(The minimum total credits required to complete the MCA Programme - 101)

Semester – I

Code	Course of Study	L	T	P	C
CA 711	Programming In C	3	0	0	3
CA 713	Discrete Mathematics	3	0	0	3
CA 715	Computer Organization and Architecture	3	0	0	3
CA 717	Accounting and Financial Management	3	0	0	3
MA 621	Numerical and Statistical Methods	3	0	0	3
CA 701	Numerical Computation and C lab	0	0	4	2
CA 713	Business Communication	0	0	4	2

Semester – II

Code	Course of Study	L	T	P	C
------	-----------------	---	---	---	---

Kanishk
19.8.14
B.P. Mithila
19.8.14

A-11
19.8.14

3/3/14
21/7/14

CA 710	Data Structures and algorithms	3	0	0	3
CA 712	Database Management System	3	0	0	3
CA 714	Principles of Programming Languages	3	0	0	3
CA 716	Operating System	3	0	0	3
CA 702	Data Structures Lab	0	0	4	2
CA 704	OS Lab	0	0	4	2

Semester – III

Code	Course of Study	L	T	P	C
CA 721	Data warehousing and Data Mining	3	0	0	3
CA 723	Graphics and Multimedia	3	0	0	3
CA 725	Software Engineering	3	0	0	3
CA 727	Principles of Compiler Design	3	0	0	3
CA 729	Object Oriented Programming Analysis and Design	3	0	0	3
CA 705	DBMS Lab	0	0	4	2
CA 707	Graphics & Multimedia Lab Using C++	0	0	4	2

Semester – IV

Code	Course of Study	L	T	P	C
CA 720	Internet and Java Programming	3	0	0	3
CA 722	Computer Networks	3	0	0	3
CA 724	Software Architecture and Software Testing	3	0	0	3
CA 726	Management Information System	3	0	0	3
CA 728	Visual Programming	3	0	0	3
CA 706	Java Programming Lab	0	0	4	2
CA 708	Visual Programming Lab	0	0	4	2

Semester – V

Code	Course of Study	L	T	P	C
CA 731	Web Technology	3	0	0	3
CA 733	Client/ Server Technology	3	0	0	3
CA	Elective –I	3	0	0	3

arshad
 19.8.14
R.K. Khan
 19.8.14

1-11
 2.14
 3

217.14

CA	Elective -II	3	0	0	3
CA	Elective -III	3	0	0	3
CA 748	Project (Minor)	0	0	4	2

Semester - VI

Code	Course of Study	L	T	P	C
CA 749	Project (Industrial) & Viva- Voce Examination	0	0	0	12

ELECTIVES FOR SEMESTER - V

Any three of the following subjects :-

Code	Course of Study	L	T	P	C
CA 735	Organizational Behavior	3	0	0	3
CA 736	High Performance Computing	3	0	0	3
CA 737	Neural Networks	3	0	0	3
CA 738	Modelling and Computer Simulation	3	0	0	3
CA 639	Systems Programming	3	0	0	3
CA 740	Image Processing	3	0	0	3
CA 741	Cryptography	3	0	0	3
CA 742	Software Agents	3	0	0	3
CA 743	AI and Expert System	3	0	0	3
CA 744	Marketing Management	3	0	0	3
CA 745	Microprocessors and Interfacing Techniques	3	0	0	3

The LNM University shall conduct two examinations per semester. These examinations will be termed as mid semester and end semester examination. Mid semester examination shall be held after 10(ten) weeks of academic activity.

The theory papers in mid semester examination will carry maximum of 20 marks and will be of one hour duration.

The theory papers in end semester examination will carry a maximum of 80marks and will be of 3hours duration.

The practical examinations during end semester examination shall be of 4(four) hours duration and shall carry 100 marks.

Practical examinations shall be conducted by one external and one internal examiner.

The evaluation of theory papers shall be done by examiners selected out of a panel of experts prepared by the examination board and approved by the Vice-Chancellor.

Signature
19.8.14

B. L. Mishra
19.8.14

Signature

4

Signature

Signature
21.7.14

411

The Examinations of First Semester (I), Third Semester (III) and Fifth Semester (V), shall generally be held in the months of November-December. Similarly the examinations of Second Semester (II), Fourth Semester (IV) and Sixth Semester (VI), shall be held in the months of April-May. The final result will be declared before 30th June of the academic year

6. Carry Over/Promotion

A candidate will be promoted to the next higher semester provided he/she does not fail in more than 3 papers including both theory and practical paper (taken together) of the immediate previous semester.

If a candidate is unable to pass/clear some paper (s) of an odd semester examination he/she shall be permitted to appear as an ex-student in the subsequent semester examination. Likewise, if a candidate is unable to pass/clear some subject (s) in even semester examination he/she shall be permitted to appear as ex-students in the subsequent semester examination. To enable the candidates to clear their backlog subject(s) as quickly as possible, the examinations of all theory papers and practicals shall be held during every semester examination.

There will be no supplementary examination.

A candidate shall not be promoted in the fifth or higher semester classes unless he/she has fully passed/cleared the first, second, third and fourth semester examinations.

To enable the candidates to clear their backlog subject(s) summer examination will be conducted every year.

Improvement.

Students shall be entitled to improve their result of last semester in maximum of two papers by reappearing in those papers in the next subsequent examination. There will be only one attempt per semester and a total of three attempts will be permitted to a student.

7. PASSING THE EXAMINATION :

7.1 The performance of a candidate in each semester shall be evaluated subject-wise with as per following scheme:-

Name of Examination	Maximum Marks	Minimum	Passing
1 Mid-Semester	20	08	
2 End-Semester	80	32	
3 University level practical	100	50	

Handwritten signatures and dates:
Rajesh Kumar
19.8.14
B.K. Mishra
19.8.14
11
8.14

5

Handwritten notes:
343203
21.7.14

7.2 Projects shall be evaluated for 300 marks consisting of 100 marks in V Semester and 200 marks in VI Semester. The project work will be evaluated by presentation (Seminar), report and viva-voce.

For End-semester exam. in practical a minimum of 50% shall be essential for passing.

8. AWARD OF CLASS/ DIVISION/ GRADE :

After successful completion of the programme, the MCA degree shall be awarded only after the VI and final semester examination based on integrated performance of the candidate for all the three year taken together.

Using the following formula:-

$$GPA = \frac{\sum_n (C_i \times GP_i)}{\sum C_i}$$

GPA is the ratio of the sum of products of the number of credits of course (C_i) with grade points secured in that course (GP_i), divided by sum of the number of credit of all courses offered by student in the semester.

Similarly, cumulative grade point average (CGPA) upto any semester will be calculated for those students who have passed all the subject upto that semester using the following formula:-

$$CGPA = \frac{\sum_N (C_j \times GP_j)}{\sum C_j}$$

When C_j is cumulative number of credits offered by student upto that semester. GP_j is the cumulative grade point obtained by the candidate and N is the total number of courses for the entire programme.

The letter grades and the corresponding grade points are as follows :

Letter	S	A	B	C	D	E	F	U	W
Grade (GP)	10	9	8	7	6	5	0	---	---

a. Conversion from marks to grade may be done using the table given below:-

Range of Marks	Grade
(90-100)	S
(80-89)	A
(70-79)	B
(60-69)	C
(50-59)	D
(40-49)	E
< 40	F for Theory Courses
< 50	F for Laboratory Courses

The percentage marks of the students will be calculated by multiplying the CGPA obtained with 10.

b. Students scoring less than 5 (five) CGP (*decided on relative basis*) shall be deemed to have failed and be given 'F' grade. A student having F grade need not redo the

Handwritten signature and date:
19.8.14

Handwritten signature and date:
14/8/14

6

Handwritten signature and date:
21.7.14

409

course, but can reappear in the examination in the following semester in all the papers.

- c. The letter grade 'U' indicates prevention from appearing in Examination (due to shortage of attendance) and 'W' indicates the authorized withdrawal. However, a student having 'U' grade will necessarily redo the course when it is offered again. The *U grade* once awarded stays in the record of the student and is deleted when he/she completes the subject later, indicating also the number of attempts made in that course. CGPA will be accordingly revised deleting the 'U' in the earlier attempts in that course. The grade acquired by the student later will be indicated in the grade card of the appropriate semester. Every teaching staff member handling a class will take attendance till 3 calendar days before the last instruction day in the semester.
- d. No candidate shall be declared to have passed the Final MCA Examination unless he/she has fully passed all the previous examinations of six semesters. The result of the sixth semester and the final semester of those candidates who have not passed the examination of previous semesters will be withheld. They, however, will be informed about the deficiency. He/she shall be deemed to have passed the final MCA examination in the year in which he/she passes all the examinations of the six semesters.

9. MERIT LIST :

- a. The final merit list shall be declared by the University only after the main examination of the Sixth and final semester on the basis of integrated performance of the three years.
- b. If candidate completes the course in more than three academic years, his result shall not be considered for the final merit list of that session.

10. MODERATION

The moderation of Master of Computer Applications (MCA) examination and result shall be done by the examination Board as per the provisions of Bihar University Act as amended up-to-date (1976).

Arle Bihari
19.8.14

B.K. Mishra
19.8.14

[Signature]
19.8.14

[Signature]
7

[Signature]
21/8/14

[Signature]
21.8.14

21/14

ORDINANCE

408

1. Notwithstanding anything contrary as contained in the act for L. N. Mithila University, the process of admission of students and fee-structure for L. N. Mithila University under self financing scheme are prescribed as hereunder.

This programme shall be known as **Master of Computer Applications (MCA)** to be conducted under the faculty of Science, L.N.M. University, Darbhanga.

Duration of the Course

The duration of the proposed course shall be of three academic years divided into six semesters of six months each.

2. ELIGIBILITY FOR ADMISSION:

MINIMUM QUALIFICATIONS:

Admission to 3 year PG course in Master of Computer Application (MCA) is open to all students having a recognized Bachelor Degree with honors of minimum three year duration in any discipline with minimum 50% (45% in case of candidate belonging to reserved category) marks at graduate level having passed in **Mathematics** as one of the subjects at the +2 level of the 10+2 pattern or Intermediate/ or equivalent Examination. All engineering graduates and Bachelor of Computer Application (BCA) graduates are also eligible for the admission. The admission to MCA Programme will be through entrance test conducted by the University.

Candidates appearing in the qualifying exam are eligible to appear in the Entrance Test for MCA, however, if selected, their admission will be subject to passing the qualifying exam with minimum qualifying marks as mentioned above at the time of admission.

Number of seats in the MCA course would be 60(sixty).

3. RESERVATION:

Reservation rules of Government of Bihar for admission in Technical Institutions will be followed.

4. FEE STRUCTURE

As this course will be operated in "self financing mode", students selected for admission to MCA course of L. N. Mithila University, shall be required to pay following fee in the beginning of each academic year.

4.1 Students admitted to the MCA programme shall be required to pay following fee annually at the time of admission itself and / or in the beginning of each academic session:-

B. K. Mishra
19.8.14

11
19.8.14

8

21.7.14

(i) Rs. 17,500/- per semester towards Admission, Tution, Development, Library, Laboratory fee charges etc. The fee structure is as follows:-

S.No.	Particulars	MCA
1.	Admission fee.	1,000/=
2.	Tution fee	10,000/=
3.	Development Charge	4,000/=
4.	Library	500/=
5.	Games and sports	500/=
6.	Computer Lab	500/=
7.	Training & Placement	500/=
8.	Miscellaneous	500/=
	Total	17,500/=

4.2 OTHER CHARGES TO BE COLLECTED.

Examination fee for two semesters every year shall have to be deposited @ Rs. 1000/- per annum at the time of admission itself and in the beginning of each academic session.

A sum of Rs. 1000/- will be collected as caution money at the time of admission (refundable).

“Depending upon the necessity and on the basis of proper justification, this fee structure can be modified after the expiry of every three years with the approval of Honorable Chancellor, Universities of Bihar as the course is under self financing scheme.

5. ADMISSION AND SELECTION PROCEDURE :

Admission to the post graduate programme of computer applications (MCA) shall be made strictly on the basis of merit. The merit list shall be prepared by the L.N.M University, Darbhanga through an ‘Entrance Test’ followed by viva-voce.

Students shall be admitted to the MCA course according to the merit list prepared on the basis of entrance test score.

University shall decide minimum qualifying marks after publication of entrance test result every year for admission to the course.

Lal Bahadur
19.8.14

B.K. Mishra
19.8.14

1-11
19.8.14

9

21/7/14

31/5/2014
21/7/14