

29

PATNA UNIVERSITY
DEPARTMENT OF STATISTICS

ORDINANCE

The 3 year (Six Semester)

**Master of Computer Applications (MCA) as self financing course in the faculty of Science
under
CHOICE BASED CREDIT SYSTEM (CBCS)**

PREAMBLE:

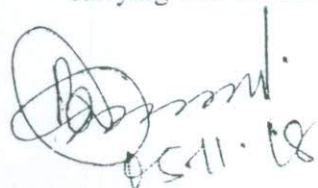
The CBCS provides an opportunity for the students to choose courses from the prescribed list of courses comprising core, elective and ability enhancement courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Therefore, it is necessary to introduce uniform grading system in the entire higher education in India. This will benefit the students of universities of Bihar to move across institutions within India to begin with and across countries. The uniform grading system will also enable potential employers in assessing the performance of the candidates. The Universities shall follow the guidelines formulated by the UGC in order to bring uniformity in evaluation system and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations.

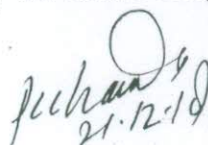
Objective of MCA course in the department of Statistics, P.U.:

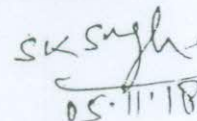
The M.C.A. course is started in the Department of Statistics, Patna University; with an objective prepare students for productive careers in technological research, software industries, banking and other related sectors. The main aim is to make the students competent software professionals to meet the demands of the fast growing IT industries at the national and also at the global level. The course emphasizes the applications of software technology to solve various scientific, commercial, networking and computing problems. After the successful completion of this course students could get a wide range of jobs in various multinational companies, private sectors, government organizations, banks etc.

1. General

- 1.1 The ORDINANCE and the REGULATIONS shall be called the 'Admission Ordinance' and 'Regulations of Examination' for MCA programme to be applicable in the Department of Statistics, Patna University.
- 1.2 These ordinance and regulations shall be effective from the academic session 2018-19.
- 1.3 The MCA programme shall consist of 31 courses/ papers (excepting 2 Ability Enhancement Compulsory Courses (AECC)) spread over six semesters. This programme consists of **Core Courses (CC), Discipline Specific Electives (DSE), Practical, Project work/ Internship/ Dissertation** as described in Table 1. There shall be six courses/papers in each semester from Semester I to V, each course carrying 100 marks and only one course being titled as "Project and Dissertation"


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Annexure - I

**DEPARTMENT OF STATISTICS
PATNA UNIVERSITY**

**ORDINANCE
&
REGULATION**

for

The 3 yr (Six Semesters)
Post Graduate Degree Programme
in

**MASTER OF COMPUTER APPLICATION
(MCA), A SELF FINANCING COURSE**

in the faculty of Science
under

CHOICE BASED CREDIT SYSTEM (CBCS)

(To be effective from 2018 -19)

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Course Coordinator

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(Course Coordinator)

carrying 400 marks. The entire curriculum shall be of 3400 marks taken together. The final CGPA/class shall be awarded on the performance of the candidate on 31 courses/ papers which includes the 20 Core Courses/ papers, five Practicals, five DSEs courses/papers and one Project work/ Internship/Dissertation. (140 credits).

2. OUTLINE OF THE CHOICE BASED CREDIT SYSTEM (CBCS) for MCA:

2.1 It consists of courses viz. (i) Core Course (CC),(ii) Discipline Specific Elective (DSE), (iii) Ability Enhancement Compulsory Courses (AECC), (iv) Practical (v) Dissertation/Project/ Internship/ Industrial Training. The nature of these courses are defined below.

2.1.1 Core Course (CC):

There will be four (4) core courses in each of the semesters in I, II, III, IV, V. each Core course carrying 100 marks. These Core Courses are exclusively designed to meet I.T requirements of various Organizations and also help in planning, Designing and building of complex commercial Application Software and System Software.

2.1.2. Discipline Specific Elective (DSE):

Generally a course which can be chosen from a pool of courses as given in Table 3 of "Basket" and which may be very specific or specialized or advanced or supportive to the subject/ discipline of study or which provides an extended scope or which enables an exposure to some other subject/discipline/domain or nurtures the candidate's proficiency/skill . There are five (5) DSE courses, each to be studied as fifth course/paper in each semester from semester I to V. A DSE course has been designed to acquire special/advanced knowledge, which will support to study a project work/internship in semester six.

**2.1.3 Ability Enhancement Compulsory Courses (AECC):
(Qualifying and Non-CGPA course):**

Department of Statistics, P.U. will run a number of Ability Enhancement Compulsory Courses (AECC) which will be of qualifying nature. MCA student has to qualify in these courses, but its credit will not be added to final CGPA.

2.1.4 Dissertation/Project/ Internship/ Industrial Training:

Each MCA student has to carry a project work/internship/training in Industry/ Research Organization in the sixth semester which will be of 400 Marks (20 credits). This project work includes presentation of synopsis, project report with viva-voce.

2.1.5 Practical

In each of the five semesters viz. I, II, III, IV, V, a practical paper has been introduced. This practical paper is based on curriculums of course structure of respective semester.

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