*ORDINANCE - BCA -MCA (INTEGRATED) (5-YEAR) PROGRAMME
(Semester System)

Notwithstanding anything contained in any other Ordinance with regard to the matters hereunder, the course of study for the degree of BCA-MCA (Integrated) in the constituent Institute(s) of the University and the conditions for admissions thereto shall be as under:

1.   **The duration of the course leading to the degree of Bachelor of Computer Applications-Master of Computer Applications (BCA-MCA) (Integrated) shall be five academic years except in the case of Lateral Entry Admissions in which the minimum duration of the course shall be four academic years. Each year shall be divided into two Semesters i.e. July to December and January to June. There shall be actual teaching of 90 days in each Semester excluding admission, preparation and examination days. The examination for First, Third, Fifth, Seventh & Ninth Semester will ordinarily be held in the month of December/January and for the Second, Fourth, Sixth, Eighth & Tenth Semesters in the month of May/June, on such dates as may be fixed by the Vice-Chancellor and notified by the Controller of Examinations. The students will have the option to move out of course after passing three years of the BCA Degree and after passing second and third year of the BCA course in the case of those admitted under lateral entry to BCA course, as the case may be.Supplementary examinations will be held for Re-appear candidates, as under:-

Semester	When held
First Semester	Alongwith the Third Semester
Second Semester	Alongwith the Fourth Semester
Third, Fifth, Seventh & Ninth Semester	Alongwith the Fifth, Seventh, Ninth & Tenth Semester
Fourth, Sixth, Eighth & Tenth Semester	Alongwith the Sixth, Eighth, Tenth, Ninth Semester

2.1   A person who has passed Senior Secondary Certificate (10+2) examination with atleast five subjects including the subjects of English and Mathematics from a recognized Board/University shall be eligible to join the first semester of the course.

@2.2   The candidates with Diploma in any stream viz. 3 years after 10th or 2 years/one year after 10+2 or one year trade training course of Computer Operator and Programming Assistant (COPA) from ITI after 10+2 with Mathematics or equivalent, examination with 50 % marks in aggregate, from a recognized Board/University/ITI will be allowed Lateral Entry in 3rd Semester of BCA course.

$ 2.3   A candidate who has been placed under Compartment or re-appear in one subject only in 10+2 Examination or any other examination recognized as equivalent thereto, obtaining at least 40% marks in B.Com, 40% marks in BBA, 45% marks in B.Sc. (HCM) in the aggregate considering the minimum pass marks in re-appear paper, may be allowed to admit provisionally for Part-I of the course concerned. Such a candidate shall be allowed to clear the Compartment / re-appear subject in two consecutive chances from concerned University / Board. If such a candidate fails to clear / qualify in Compartment / re-appear subject at the Supplementary Examination, he / she shall be permitted to continue his / her studies for Part-I of the course concerned and to appear again in the compartment /re-appear subject alongwith Part-I of the above

courses at the Annual Examination. If he / she does not clear his / her Compartment / re-appear subject even in the Second Chance, his/her provisional admission / result of Part-I shall be cancelled ab-initio.

3. The First and subsequent Semester Examinations shall be open to a regular student who:-

    (i)   has passed the requisite qualifying examination as laid down in Clause 2, if he/she is a candidate for the First Semester Examination, or, has passed the preceding Semester Examination if he/she is a candidate for the Second/Third/Fourth/Fifth/Sixth/Seventh/Eighth/Ninth/Tenth Semester Examination. This is, however, subject to Clause 5 below.

    (ii)   has his/her name submitted to the Controller of Examinations by the Principal of the Institute and produces the following certificates signed by the Principal of the Institute:-

    (a) of good character;

    (b) of having remained on the rolls of the constituent institution of this University for the Semester preceding the examinations;

    (c)   of having attended not less than 75% of the full course of lectures delivered in each paper, Practical, Case Discussion, etc. upto the last day when the classes break up for the preparatory holidays viz. 7 days before the commencement of the examinations;

    Provided that a candidate who has not attended the requisite percentage of lectures will be eligible to take examination in the remaining papers.

    Explanation:

    For the purpose of counting of the last date when the classes shall break up for the preparatory holidays, first day of the commencement of any semester examination will apply to all semester examinations and all Semester classes will have the preparatory holidays from the same date, i.e. 7 days before the date on which the first examination of any semester commences.

4. The Principal of the Institute is empowered to condone the shortage of attendance up-to 10% of the total lectures delivered in each subject in exceptional cases on reasonable grounds.

5.1. A candidate who has passed the Semester I or II or III or IV or V or VI or VII or VIII or IX, shall be eligible to join the next Semester II, III, IV, V, VI, VII, VIII, IX or X respectively of the course. This is, however, subject to Clauses 5.2, 5.3 and 6 below.

5.2 A candidate who has failed in one or more paper(s) of I and II, or III and IV, or V and VI or VII and VIII Semesters shall be promoted provisionally to the III, V, VII, IX Semesters, as the case may be, only if he/she has earned exemption in the papers as mentioned below:-

From Semester I & II to Semester III	If he/she has earned exemption in at least 50% papers (Theory and Practicals taken together) of Semesters I and II.
From Semesters III and IV to Semester V	If he/she has passed all the papers of Semesters I and II and has earned exemption in at least 50% papers (Theory and Practicals taken together) of Semesters III and IV.
From Semester V & VI to Semester VII	If he/she has passed all the papers of Semesters I to IV and has earned exemption in atleast 50% papers (Theory and Practicals taken together) of Semesters V and VI.
From Semesters VII and VIII to Semester IX	If he/she has passed all the papers of Semesters I to VI and has earned exemption in at least 50% papers (Theory and Practicals taken together) of Semesters VII and VIII.

5.3   A candidate who has failed in one or more paper(s) or having been eligible fails to appear in a semester examination shall be allowed two additional chances only, on the recommendation of the Principal of the Institute, to pass the Semester examination subject to Clause 6 below. Such a candidate may be exempted from re-appearing in the papers/ practicals /Sessional in which he/she may have obtained at least 40% marks.

6.   A candidate for the BCA-MCA (Integrated) Degree must pass the whole course (all the ten Semesters) within a period of **seven years (**six years** in the case of lateral entry admission) and five years for the BCA Degree of his admission to the First Semester, failing which he/she will be required to repeat the course de novo.

7.   The examination shall be held according to the Scheme of Examination and the Syllabus prescribed by the Academic Council. A candidate, who fails in an examination or having been eligible fails to appear at an examination, shall, unless approved otherwise by the Academic Council take the examination according to the Syllabus prescribed by the University for regular students appearing for that examination.

8.1   **SESSIONALS:**
40% marks in each theory paper, 60% marks in each practical paper and 20% marks in project work shall be assigned for internal assessment.

The Sessionals be evaluated by the teachers concerned based on the work done during the semester on the basis of the following weightages:

(a)   For Theory Subjects:
(i)   Three Class Tests (Two best of three)   40%
(ii)   Class Attendance (Lecture/Tutorial)   40%
        (Marks will be awarded proportionate to

attendance.)
| | (iii) | Class Work/Assignment/Case Studies | 20% |

(b)   For Practical Subjects:
	(i)	Viva-Voce/Test	20%
	(ii)	Laboratory Record	20%
	(iii)	Class Attendance	40%

(Marks will be awarded proportionate to attendance.)
| | (iv) | Class work | 20% |

(c)   For Project Work:
| | (i) | Project Synopsis | 40% |
| | (ii) | Viva-Voce | 60% |

(d)   For Seminar Course, the marks will be awarded by the Teacher Incharge of the Seminar.

8.2   The candidate is required to obtain Pass Marks in each of the Theory and Practical papers in aggregate of the external and internal assessment/sessionals subject to obtaining pass marks separately in each paper of external examinations. The internal assessment award of any candidate who fails in one or more papers of any semester examination shall be carried forward to the next examination. He/she will, however, be allowed to improve his/her marks of sessional examinations at the time of appearing in the Re-appear Papers.

8.3   The Principal of the Institute shall forward the Sessional awards to the Controller of Examination at least one week before the commencement of Semester examination.

9.   The Practical/Viva-Voce shall be conducted jointly by an External and Internal Examiner approved by the Academic Council on the recommendation of the Board of Studies.

10.   The amount of examination fee for each Semester Examination shall be as prescribed by the University. A candidate who re-appears in one or more paper(s) shall pay fee as for the whole Semester Examination.

11.   The medium of instruction and examination shall be English.

12.   The minimum number of marks required to pass the examination in each Semester shall be, as under:-

(i)   40% in each written paper/practical examination/ viva –voce examination.

(ii)   40% in the aggregate of Sessional and examination marks for each theory subject/ practical paper subject to obtaining Pass Marks separately in each paper of external examination.

A candidate who fails in a Semester Examination shall be exempted from re-appearing in Paper(s) in which he/she may have obtained at least 40% marks.

13.1   The candidate shall be required to prosecute his/her Project work   at any

National/Multi-National Software Organization after the Ninth Semester Examinations for the year concerned under the supervision of the faculty appointed by the Principal of the Institute.

13.2   The candidate shall be required to submit two copies of the Project Report based on Industry training along with the following:-

(i)   A certificate from the candidate that the Project Work has been completed and it was carried out by himself/herself, countersigned by the concerned Supervisor appointed by the Institute.

13.3   The last date for receipt of the Project Report in the office of the Controller of Examinations shall be 25th May of the year concerned.

13.4   The report of the Project Work shall be evaluated by an External and Internal Examiners approved by the Academic Council on the recommendation of the Board of Studies.

13.5   The marks obtained by the candidate for the project report/viva voce shall be taken into account when he/she appears in any future examination under re-appear Clause 5 above.

14.1.   **CREDIT-BASED SYSTEM OF EVALUATION**
Credit based system followed in the University in order to determine the performance of the candidates will be as under:-

(i) CREDIT COUNTS :
All courses would have a Credit Count & teaching of subjects would be reckoned in terms of Credits. The number of credits of a course shall ordinarily be calculated as under:-

(a) LECTURES   :   One Lecture per week shall be assigned **ONE** credit.
(b) TUTORIALS   :   One Tutorial per week shall be assigned **HALF** a credit.
(c) PRACTICALS   :   One Lab. period per week shall be assigned **HALF** a credit.
(d) SEMINAR   :   **ONE** credit.
(e) PROJECT   :   Twenty Credits are fixed for Dissertation, Semester Training, Viva-Voce.

The Project work will be carried out in Tenth Semester of MCA (Integrated) Programme.

GRADING:-
i)   The Academic Performance of a student shall be graded on a **TEN-POINT SCALE**. The award of Grades based upon marks obtained out of 100 shall be made as follows:

®	MARKS		GRADE		MARKS
	86	≤ and above upto	O	<	100
	76	≤ and above upto	A+	<	85
	66	≤ and above upto	A	<	75
	56	≤ and above upto	B+	<	65
	51	≤ and above upto	B	<	55
	46	≤ and above upto	C	<	50
	40	≤ and above upto	P	<	45
	--		F	<	--
	--		Ab		--

ii) Letter grade will be awarded to the candidates. Each letter grade indicates the level of performance in the course and has a grade point for purpose of computing the **Semester Grade Point Average (SGPA) / Cumulative Grade Point Average (CGPA)** as given below:

® Letter Grade	Performance	Grade Point
O	Outstanding	10
A+	Excellent	9
A	Very Good	8
B+	Good	7
B	Above Average	6
C	Average	5
P	Pass	4
F	Fail	(required to re-appear in the exam.)
Ab	Absent	-

SGPA:- indicates the performance of the student in the current semester and is computed as below:

Grade points earned in the current semester/ Total credits in the semester.

CGPA:-

It indicates the performance of a student since his/her entry into the course including the current semester.

CGPA is the weighted average of all the grades awarded to a student since his entry into the University upto and including the latest Semester and computed as follows :-

$$CGPA = \frac{\sum C_i\ G_i}{\sum C_i}$$

= Total Grade Points earned since his entry/total credits.

Where C_i denotes credits assigned to the ith course and G_i indicates the grade point equivalent to the letter grade obtained by the candidate in the ith Course.

iii) The division obtained by each student is classified on the following basis:

Division	**C.G.P.A**.
First with Distinction	8.0 or more
First	6.75 or more but less than 8.0
Second	Below 6.75

iv) In order to compare the students of this University vis-à-vis other Universities where percentage of marks are shown in the final result, the following conversion formula will be used for calculating the percentage of marks from CGPA.

Percentage of marks obtained by a student = (9.0 x C.G.P.A.)

At the end of each semester (i.e. after end semester examinations), students will be supplied a Grade Card indicating the Grade secured in each course and upto date CGPA.

15. After the termination of the examination, the Controller of Examinations shall publish the result of the candidate and issue Grade Card as expeditiously as possible.

16. Notwithstanding the integrated nature of this course, which is spread over more than one academic year, the Ordinance in force at the time a student joins the course shall hold good only for the examination held during or at the end of the academic year and nothing in this Ordinance shall be deemed to debar the University from amending the Ordinance and the amended Ordinance, if any, shall apply to all students whether old or new.

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