RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

Established under Act No. 13 of 1998
Ordinance No. 33
Section 40 (1)

Ordinance for Five Years Dual Degree Programme in Computer Applications.
(For the Candidates admitted in 1st year in University in and after academic session 2012-2013 Under Credit Based Grading System .)

1.0   The Five years (Ten Semesters Dual Degree Programme) shall be in Computer Applications. This course is designated as Master of Computer Applications MCA.

1.1   The studies and examinations of these Dual Degree programmes (DDP) shall be on the basis of Marks- Cum - credit system but semester wise and final evaluation shall be by grading system in accordance with the ordinance No. 30, "Credit Based Grading System" hereinafter referred as Ord.30.

1.2   Master of Computer Applications, shall be awarded on completion of following:
-     credits at 1st to 8th semester and 6 months internship in the 9th Semester & the dissertation work (DW)/Project/Case Study in 10th semester.

1.3   **An educational Institution offering All India Council for Technical Education approved programmes in Architecture or Pharmacy at graduate/post graduate/research level or running post graduate programme in computer application (Master of Computer Application) or any other programme affiliated by the University can conduct this programme.**

2.0   ADMISSIONS

2.1   Minimum qualification for admission to the first year of Dual Degree programme shall be the qualifying Higher Secondary School Certificate Examination (10+2) scheme of the M.P. Board of Secondary Education or equivalent securing at least 50% of aggregate marks with Mathematics (also securing pass marks/grade in all subjects individually) conducted by M.P. Board of Secondary Education or an equivalent examination from a recognized Board.

2.2 The admissions to MCA **Dual Degree Programme** shall be governed by the rules of the technical education and training department government of Madhya Pradesh Bhopal and/ or any other competent authority of the state government of Madhya Pradesh.

2.3 The Reservation to SC/ST/OBC/PH candidates, shall be applicable as per the norms of the State Government of Madhya Pradesh.

2.4 Transfer of candidates form other programme/courses/places shall not be permitted in the programme.

2.5 A candidate who has discontinued the course during any semester shall not be permitted to take re-admission to the course.

3.0 Examinations

3.1 The subjects to be studied in different semesters of Dual Degree programme shall be as per the schemes and syllabi, approved by the respective Board of Studies.

3.2 There shall be one University examination at the end of each semester. These examinations will be designated as follows:

a) During first year:
DDP I semester, DDP II semester.
b) During second year:
DDP III semester, DDP IV semester.
c) During third year:
DDP V semester, DDP VI semester.
d) During fourth year:
DDP VII semester, DDPVIII semester.
e) During fifth year:
DDP IX semester, DDP X semester.

3.3 There will be full examination at the end of each semester consisting of end semester of theory and practical of all the subjects. Supplementary examination, will not be conducted separately.

3.4 (a) **Every candidates of this Dual Degree programme shall have to undertake a dissertation work (DW)/Project/Case Study. The topic of the dissertation work (DW)/Project/Case Study shall be allotted at the end of the ninth semester examination. candidate has to**

pursue DW/Project/Case Study only after the completion of internship. The topic shall be chosen from current innovative fields of importance. The allotment procedure shall be decided by the MCA department of the Institute.

(b) The topic of DW/Project/Case Study once decided shall not be changed.

(c) There will be 06 months internship in 9th Semester.

4.0 PROMOTION TO HIGHER SEMESTER AND YEAR
A candidate who has been admitted in the DDP programme will be promoted to the higher class in accordance with the following rules:

4.1 For the award of degree minimum Cumulative Grade Point Average (CGPA) required is 5.0 and grade required is C.

4.2 To pass a particular subject of the programme the minimum required grade is D. However, the candidate should also separately score minimum of grade D in end semester examinations of theory and practical parts of the subject. For practical examinations at least one external examiner from out side the institute shall always be there.

4.3 A candidate who fails to score minimum of grade D in more than two subjects (Theory and Practical of the same subject shall be treated as two subjects) in a particular year, shall not be admitted to the next higher year.

4.4 The result of final semester shall be declared only if the candidates has fully cleared all the previous semesters.

4.5 If a candidate has passed all the subjects of the Programme in 10th semester. But has failed to score a minimum CGPA of 5.0 as per the requirement of rule 4.1 above, such a candidate shall be permitted to cover up the short fall in requisite grade point by reappearing in maximum of two theory papers chosen from subjects of any of the semesters in the ensuing examination.

4.6 Other than the provision of rule 4.5 above a candidate shall not be permitted to reappear, in the papers which he/she has cleared, for improvement of division/ marks or for any other purpose.

5.0   AWARD OF CREDITS AND GRADES

5.1   Each Programme, along with its weightage in terms of units and equivalent credits, shall be recommended by the concerned Board of Studies and shall be approved by the standing committee of Academic Council / Academic Council and the Executive Council. Only approved programmes can be offered during any semester.

5.2   A student shall be continuously evaluated for his / her academic performance in a subject through tutorial work, practical, home assignment, mid-semester test, field work, seminars, internship, quizzes, end-semester examinations and regularity, as proposed by respective Board of Studies and approved by standing committee of Academic Council / Academic Council and Executive Council of the University.

5.3   The distribution of weightage /marks for each component shall be decided by the respective of Board of Study and approved by standing committee of Academic Council and Executive Council of the University subject to such stipulation as given under:

(a)   Theory Block

i.	Quizzes, assignments and regularity	10%
ii.	Mid – semester test -	20%
iii.	End – semester examination-	70%
	Total	**100%**

(b)   Practical Block

i.	Lab work and performance, Internship,quizzes, assignments and regularity -	40%
ii.	End – semester examination-	60%
	Total	**100%**

5.4   Practical training/Internship, and project work shall be treated as practical subjects.

5.5   In each semester, the department will be required to conduct at least two mid semester tests for theory block.

5.6 Each student, registered for a programme, shall be awarded grade by the concerned faculty / faculties for the specific subject/paper. The grades awarded to a student shall depend upon his continuous evaluation through performance in various examinations, assignments, quizzes, laboratory work, internship, class work, mid semester test and regularity. The grades to be used and their numerical equivalents are as under :

Credit Based Grading System

Grade	%Marks range (based on absolute marks system)	Grade Point	Description of performance
A+	91-100	10	Outstanding
A	81-90	9	Excellent
B+	71-80	8	Very Good
B	61-70	7	Good
C+	51-60	6	Average
C	41-50	5	Satisfactory
D	40 Only	4	Marginal
F	below 40	0	Fail.
I		0	Incomplete.
W		0	Withdrawal

5.7 The Semester Grade Points Average (SGPA) and Cumulative Grade Point Average (CGPA) shall be calculated as under:-
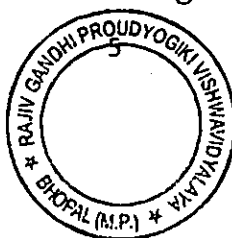
$$SGPA = \frac{\sum_{i=1}^{n} c_i p_i}{\sum_{i=1}^{n} c_i}$$

Where c_i is the number of credits offered in the ith subject of a Semester for which SGPA is to be calculated, p_i is the corresponding grade point earned in the ith subject, where $i = 1,2,\ldots\ldots n$, are the number of subjects in that semester.

$$CGPA = \frac{\sum_{j=1}^{m} SG_j NC_j}{\sum_{j=1}^{m} NC_j}$$

here NC_j is the number of total credits offered in the jth semester, SG_j is the SGPA earned in the jth semester, where $j = 1,2,\ldots\ldots m$, are the number of semesters in that programme.

5.8 A candidate on successfully completion of the first Six semesters with minimum CGPA of 5.0, shall be eligible for the award of a Bachelor

Degree of Computer Applications (BCA) Or A candidate on successfully completion of the first Eight semesters with minimum CGPA of 5.0, shall be eligible for the award of a Bachelor Degree of Computer Applications (BCA) with honours.

5.9 A candidate who possesses a **Bachelor Degree of Computer Applications (BCA)** of the university shall be eligible for admission to the seventh semester or A candidate who possesses a **Bachelor Degree of Computer Applications (BCA) Honours** of the university shall be eligible for admission to the Ninth semester for the purpose of completing the course, leading to the Master's Degree in **Computer Applications** within maximum duration of this course as per para 8.4 of this Ordinance, provided that immediately after the declaration of the results of the final semester examinations and before conferment of the Degree of Master of **Computer Applications** the candidate shall surrender to the university the **Bachelor Degree of Computer Applications (BCA)/ Computer Applications (BCA) Honours.**

6.0 CONDONATION OF DEFICIENCY

6.1 One grace mark will be given to the candidate who is failing/missing distinction/missing first division by one mark, on behalf of the Vice-Chancellor in the Dual Degree programme examination.

7.0 AWARD OF DIVISION

7.1 Division shall be awarded only after the tenth and final semester examination based on integrated performance of the candidate for all the five years as per following details

CGPA Score	Divisions
$7.5 \leq$ CGPA	First Division With Honours
$6.5 \leq$ CGPA < 7.5	First Division
$5.0 \leq$ CGPA < 6.5	II Division

The conversion from grade to an equivalent percentage in a given academic program shall be according to the following formula applicable.

Percentage marks scored = CGPA Obtained x 10

8.0 DURATION OF PROGRAMME

8.1 There shall be at least fourteen weeks of teaching in every semester.

8.2 One hour of conduct in Lecturer (L) / Tutorial (T) / Practical (P) per week shall be equal to one credit as allotted in the respective schemes.

8.3 A candidate may provisionally continue to attend next higher year, even if, the result of qualifying year / semester has not been declared. However, subsequently if he/she is not able to clear qualifying semester examination, the candidate cannot claim any right on the basis of his/her provisional admission.

8.4 The maximum duration of the programme shall be **eight** years. However, for one mercy attempt the para 24.1.4 of the Ordinance No.12: "Examination General" shall be applicable.

9.0 MERIT LIST

9.1 Final merit list of first three (3) candidates in the order of merit shall be declared by the University only after the main examination of the final semester for DDP programme, on the basis of the integrated performance of all the semesters. The merit list shall include the first three candidates securing at least first division and passing all semesters in single attempts.

10.0 ATTENDENCE

10.1 Candidates appearing as regular students for any semester examination are required to attend 75 percent of the lectures delivered and the practical classes held separately in each subject of the programme of study, provided that a short fall in attendance upto 10% and a further 5% can be condoned by the Head of the department of and Vice-Chancellor of the University, respectively for satisfactory reasons.

11.0 MEDIUM OF INSTRUCTION

11.1 The medium of instruction and examination shall be English throughout the programme of study.