

NIRMA UNIVERSITY

*** ACADEMIC REGULATIONS FOR MCA PROGRAMME UNDER FACULTY OF TECHNOLOGY AND ENGINEERING**

DEFINITIONS

PROGRAMME	--	Master of Computer Applications
COURSE	--	One of the constituent subjects of the Programme
SEMESTER	--	Duration for studying a course
TERM	--	A portion of an academic year, normally coinciding with a semester. The words “Term” and “Semester” are generally used synonymously.
REGISTRATION	--	Procedure for getting enrolment in a Course
LETTER GRADE	--	A letter associated with a particular performance level of the student. A qualitative meaning and a numerical index are attached to each grade. A+ to C+ are Passing grades, C -- Conditional pass, FF - - Fail, IF -- Interim fail
CREDIT	--	A numerical figure associated with a course. On passing the course, the student earns this “credit”
¹ GRANTING A TERM	--	This expression is used to indicate whether the in-semester performance of the student is up to acceptable standards. GT – Term granted, NT – Term not granted
REGULAR APPROVAL	--	If a student is unable to attend the institute or appear in an examination on account of unavoidable reasons like illness, accident or unforeseen circumstances, prior / prompt intimation and request to HOD is necessary for seeking approval for the absence. The approval of HOD so obtained will be referred as Regular Approval.

SHORT FORMS

Institute	--	Institute of Technology
Director	--	Director of Institute of Technology
Dean	--	Dean of the Faculty of Technology and Engineering
HOD	--	Head of concerned Department
Appeal Committee	--	Appeal Committee consisting of Director, Dean and Three Professors nominated by Director
IR	--	Initial Registration
RPR	--	Repeat Registration

* Published vide Notification no. NU-478 dated 23.2.2004, BoG mtg.-6.12.2006, reso.-1(a)(iii)

¹ Amended by substitution vide Notification no. NU-102 dated 6.5.2004, BoG mtg.-31.3.2004, reso.-12

² RL	--	Repeat Registration for LPW
² RS	--	Repeat Registration for studying all components of a course
³ NT	--	Term Not Granted
RER	--	Re - examination Registration
² REC	--	Re-examination Registration for CE component of a course
² RES	--	Re-Examination Registration for SEE component of a course
² CE	--	Continuous Evaluation
LPW	--	Laboratory/Project work
SEE	--	Semester end examination
SPE	--	Supplementary examination
R.	--	MCA (PG)
² M.S.E & B.S.E	(Deleted)	

R.MCA. (PG) 1. PROGRAMMES

The Post Graduate Degree Programme in Computer Application, leading to the degree of Master of Computer Applications, is offered by Institute of Technology. The Programme is full time, of three years duration and is approved by Nirma University.

R.MCA. (PG) 2. ELIGIBILITY FOR ADMISSION

A student seeking admission to Programme must fulfill the criteria as per Annexure - 1.

R.MCA. (PG) 3. CATEGORIES OF COURSES

The following categories of courses are offered in the programmes.

3.1 CREDIT COURSES

These are compulsory courses. They are included in the schedules of various semesters. Credits earned for these courses will be considered for evaluating the academic performance levels of the student.

3.2 SUPPLEMENTARY COURSES

These courses will be offered as and when necessary. They are compulsory courses. They are not included in the schedules of the semesters but are shown as additional courses, wherever applicable.

No credits are assigned to these courses. However performance in these courses will be considered while deciding continuation of the student in the Programme or his registration in higher semester.

NOTE: Hereafter, the Credit Courses will be referred to simply as “courses”. Supplementary courses will be specifically mentioned as such.

³ Added vide Notification no. NU-102 dated 6.5.2004, BoG mtg.-31.3.2004, reso.-12

² Amended by substitution & deletion vide Noti no. NU-28 dated 20.5.2012, BoG mtg.-31.3.2012, reso.-5(G)

R.MCA. (PG) 4. COMPONENTS OF A COURSE

The academic schedule of the courses may consist of one or more of the following components with their respective scope as described.

- LECTURES (LECT) - Teaching learning processes conducted in real and virtual class rooms with various multi media aids.
- TERM ASSIGNMENTS (TA)- Supplementary to classroom teaching. It consists of one or more of the following teaching strategies.
Each strategy will form a UNIT.

Tutorial exercises/quizzes/tests/objective questions/term paper

- LABORATORY WORK / PROJECT WORK (LPW) -This component consists of one or more of the following practical exercises/ projects.
Each set of practical exercises / project will form a UNIT.

Laboratory experiments and their reports, fabrication / workshop jobs, study of machine/equipment, tests on materials/components/prototypes etc.

Seminar, software development, industrial / professional training, analysis, design, research problems, Thesis work etc.

²R.MCA. (PG) 5. EXAMINATIONS

For assessment of the course, Examination/s are prescribed for each component. These examinations are as follows.

LECTURES	--	² Semester End Examination (SEE)
² CONTINUOUS EVALUATION	--	CE examination CE may include written examination/s and Term Assignments (TA) Examination
LABORATORY/PROJECT WORK	--	LPW examination

R.MCA. (PG) 6. COURSE COORDINATOR, ADVISOR

The Dean will appoint faculty members for the following designations. The main functions of each designation are also mentioned.

COURSE COORDINATOR (to be appointed for each course) – to coordinate all matters related to the conduct and assessment of a course.

FACULTY ADVISOR (to be appointed for each semester) – to look after all matters, at the department level, regarding Registrations and Re-registrations of courses and also to provide guidance and counseling to students regarding these issues.

² Amended by substitution vide Notification no. NU-28 dated 20.5.2012, BoG mtg.-31.3.2012,reso.-5(G)

R.MCA. (PG) 7. TEACHING SCHEME -- Annexure - 2

The teaching scheme for the course as a whole will be referred simply as Teaching Scheme.

The teaching scheme of the Units of TA and LPW will be referred as Supplementary Teaching Scheme.

The courses offered in each programme (semester-wise) and their teaching schemes are given in the Semester schedules (Annexure 2). The schemes show the various courses, distribution of teaching hours, course component/s, examinations, component weights and credits allotted to each course.

In certain Programmes, the teaching scheme will include, if necessary, summer vacation training in industry / professional / research organizations.

The Supplementary Teaching Schemes of various Units of TAE and LPW together with their *inter se* weights, (within the overall weights of TA and LPW), shall be formulated by the course coordinator in consultation with HOD. These schemes will require approval of the Faculty of Technology and Engineering before being notified to the students in the beginning of each semester.

R.MCA. (PG) 8. SEMESTER AND TERM

Normally courses will be offered semester-wise as given in the teaching scheme. However the institute may offer certain course/s of a semester in both terms of an academic year in order to help students to pursue their study more expeditiously.

^{1&2}R.MCA. (PG) 9. REGISTRATION IN COURSES

- 9.1 There will be ²five categories of Registrations. All ²five categories will be collectively referred to simply as Registration. Individual categories will be referred to by their symbols.
- 9.2 All Registrations, wherever applicable, will be subject to availability of courses.
- 9.3 Registration will be done course-wise.
- 9.4 CATEGORIES OF REGISTRATION
 - 9.4.1 The ²Five categories of Registration are:
 - IR – Initial Registration
 - RPR – Repeat registration with two sub categories ²RL (Repeat registration for studying LPW component of a course) and ²RS (Repeat registration for studying all components of a course)
 - RER – Re-examination registration with two sub categories ²REC (Re examination registration with two sub categories REC (Re examination registration of CE component of a course) and RES (Re examination registration of SEE component of a course.)

¹ Amended by substitution vide Notification no. NU-102 dated 6.5.2004, BoG mtg.-31.3.2004, reso.-12

² Amended by substitution vide Notification no. NU-28 dated 20.5.2012, BoG mtg.-31.3.2012, reso.-5(G)

9.4.2 **Initial Registration (IR)** - In order to study a course for the first time, the student will register under the IR category. This will imply regular attendance for study of all components of that course and appearing at all examinations thereof.

IR registrations for courses of a semester are to be done for all courses of that Semester as shown in the Teaching Scheme; IR registration will not be permitted for lesser number of courses. The student who so registers (IR) for all courses of a semester will be considered as having been registered in that semester.

²9.4.3 **Repeat Registration (²RS)**

The student whose Term is not granted for any registered course (R.12) will have to repeat the study of that course. He will have to seek fresh registration for this purpose. The category of such registration will be as follows:

<u>Term not granted</u> <u>Category</u>	<u>Registration</u> <u>Category</u>
² NT	² RS

²**RS** - This category will imply regular attendance to study all components (i.e. LECT, CE, LPW as applicable) and appearing at all examinations thereof.

9.4.4 **RE-Registration (RER)** - This registration is necessary for appearing again in a particular examination of a course. It will not involve regular attendance for studying that course.

9.4.5 **RPR Registration** - This term will be used where necessary to include registrations of both categories ²RL and ²RS.

9.5 APPROVAL OF REGISTRATION

Every student must apply in the prescribed form for registrations, as applicable. The decision on the student's request will be based on the availability of courses and applicable Regulations. The Director will issue appropriate orders for processing the application, including scrutiny, verification and final orders.

9.6 SIMULTANEOUS REGISTRATION IN DIFFERENT CATEGORIES

9.6.1 Semesters will be registered in chronological order.

9.6.2 A student will not be permitted to register (IR) in the next higher semester if the total number of ²courses with RER and/or RPR as applicable in his case exceeds Three.

9.6.3 The student who becomes eligible for IR registration in a higher semester must first register for all RER and RPR registrations as applicable in his case.

9.6.4 The student who is not eligible to register in a higher semester in any term must register in that term, for all RER and RPR registrations applicable in his case.

² Amended by substitution vide Notification no. NU-28 dated 20.5.2012, BoG mtg.-31.3.2012, reso.-5(G)

R.MCA. (PG) 10. GRADES

PERFORMANCE LEVELS

The Performance level of the student in any examination will be adjudged in terms of the letter grades given in Table 1.

Table 1

Grade (G)	Qualitative Meaning (GQ)	Equivalent Grade Point (g)
A+	Excellent	10
A	Creditable	9
B+	Very Good	8
B	Good	7
C+	Satisfactory	6
C	Conditional Pass	5
FF	Fail	0
IF	Interim Fail	0

(¹ Grade Deleted)

R.MCA. (PG) 11. SCOPE OF EXAMINATIONS AND ASSESSMENT

In order to pass a course, the students will have to pass all examinations of that course. The scope of the examinations and the method of assessment will be as follows.

11.1 In all mark-based assessment, the overall percentage marks, if fractional, will be rounded off to the next higher integer value.

²11.2 ²CE EXAMINATION (IR and RPR registration)

All exercises in ²CE will be continuously assessed during the semester and given marks. Oral examination will be included in the assessment at all possible stages. The total marks of all Units of ²CE will be aggregated based on their *inter se* weights to give the overall percentage of marks in the ²CE examination.

² If the student fails in CE examination, the student will not be permitted to appear in SEE of that course and the student will have to seek fresh registration. as REC in subsequent semester, if the student is otherwise eligible.

11.3 ²LPW Examination (IR and ²RL/RS)

² All assignments in Laboratory work and Project Work will be continuously / periodically assessed (as applicable) during the semester. In addition there will be an overall assessment at the end of the semester. Oral examination will be included in the assessment at all possible stages. Each assessment will be given marks.

¹ Deleted Grades - GT & NT vide Notification no. NU-102 dated 6.5.2004, BoG mtg.-31.3.2004, reso.-12

² Amended by substitution vide Notification no. NU-28 dated 20.4.2012, BoG mtg.-30.3.2012, reso.-5(G)

The total marks of all Units of LPW/*PW will be aggregated based on their *inter se* weights to give the overall percentage of marks in the LPW/*PW examination. The course coordinator will notify the procedure for assessment, review, viva voce etc to the students in advance

If the student fails in LPW examination, the student will not be permitted to appear in SEE of that course and the student will have to seek fresh registration. as RL in subsequent semester, if the student fulfills the condition of granting the term (R-12)”

11.4 ² ~~M.S.E/B.S.E~~ (Deleted)

⁴ **11.5** SEMESTER END EXAMINATION (SEE)
(IR and RPR)

The expression “Semester end examination” refers to the written examination of a course taken at the end of a semester. This will cover the full syllabus. The assessment will be mark based as per normal practice in written examinations. SEEs of all courses of the programme, as per the teaching scheme, will be held at the end of both terms.

11.6 If the course coordinator desires that there should be an open book examination in a course in any SEE, he may make a suitable recommendation to the HOD. Final approval of the Dean will be necessary before the scheme is implemented. This method of examination must be announced to the students at the beginning of the semester. The same must be informed to the examiners also. The Dean should report all such decisions to the Faculty of Technology and Engineering.

11.7 Absence in any examination with or without Regular Approval will be assigned Zero mark.

⁵ **11.8** SUPPLEMENTARY EXAMINATION (SPE)
(RER Registration, Grade IF in SEE)

The institute may decide to hold a Supplementary Examination after SEE for students who have obtained grade IF in SEE. Such students will have to seek RER registration.

⁵ **11.9** SCHEDULES OF SEE AND SPE

SEEs of all courses of the programme, as per the teaching scheme will be held at the end of both terms.

The term end Supplementary Examinations (SPE), if held, will be for only those courses that are offered in the semesters of that term.

⁴ Amended by substituting heading vide Notification no. NU-102 dated 6.5.2004, BoG mtg.-31.3.2004, reso.-12

⁵ Amended by addition vide Notification no. NU-1864G dated 8.11.07, BoG mtg.-30.10.2007, reso.-5(a)

² Amended by substitution & deletion vide Noti no. NU-28 dated 20.4.2012, BoG mtg.-30.3.2012,reso.-5(G)

¹ R.MCA. (PG) 12. GRANTING OF TERM

- 12.1 The Term will be granted course-wise
- 12.2 ²The granting of Term for all the students (IR, RPR) will depend on the compliance of maintaining minimum 85% attendance in all components of the course (as applicable) Regular approval for remaining absent up to 15% is necessary.

Note: In the case of long duration training or project work, where final examination is not possible before the Term ends, a certificate by the course coordinator that the student's progress is satisfactory will be acceptable.

- 12.3 The student who has been given category NT may appeal to the Appeal Committee giving full reasons for his default. The decision of the Committee in all such cases will be final.
- 12.4 The student who is given NT category will not be permitted to appear in SEE of the concerned course. He will also be given grade FF in that course.

R.MCA. (PG) 13. GRADES IN EXAMINATIONS

13.1 ² CE and LPW EXAMINATIONS

Grades for the ³CE and LPW examinations will be given on the basis of the percentage marks obtained by the student in the respective examinations.

Table 2(a) shall be referred for converting percentage marks into corresponding Grades (G) for all examinations except ³CE and Table 2 (b) for ³CE.

<u>Table 2(a)</u>		<u>Table 2(b)</u>	
All exams except CE		FOR CE	
<u>% marks</u>	<u>Grade</u>	<u>% marks</u>	<u>Grade</u>
90 and above	A+	90 and above	A+
80- 89	A	80- 89	A
70-79	B+	70-79	B+
60-69	B	60-69	B
50-59	C+	50-59	C+
Less than 50	³ IF	^x 45-49	C
		^x Less than 45	² IF

13.2 GRADE IN SEE

^x In the normal course, a student (IR, RPR) and category GT will appear for SEE after his CE and LPW examination, in the same semester. Grade for the performance in SEE will be given on the basis of the percentage marks obtained by the student. Table 2(a) shall be referred to for converting percentage marks into corresponding grades (G) except that for categories - (i) and (ii) given below, grade IF will be given:

¹ Amended by substitution vide noti.no. NU-102 dt.6.5.04, BG mtg.-31.3.04, reso.-12 [replaced by X]

² Amended by substitution vide Notification no. NU-28 dated 20.4.2012, BoG mtg.-30.3.2012,reso.-5(G)

^x Amended by substitution vide noti. No. NU-082 dated 20.5.17, BG mtg.-18.4.17, reso.-4(D)(V)(a)

Performance	Grade
(i) Fail	IF
(ii) Absence	IF

^x Notwithstanding anything contained in terms of giving 'IF' grade as shown in (ii) in the table above, the Director of Institute will scrutinize the genuineness about remaining absence in Semester End Examination through Appeal Committee and if the Director, after said scrutiny, decides to show 'Ab' instead 'IF' in (ii) of above table then in the grade sheet, instead of 'IF', 'Ab(S)' shall be mentioned in such cases only.

⁵ 13.3.1 GRADE IN SPE

The student of category (i) or (ii) or (iii) of R.13.2 (with grade IF) will be eligible to appear in the SPE (with RER Registration) of that course at the end of that term. The criteria for giving grade in SPE will be the same as given in R.13.2

13.3.2 The student who obtains grade IF in SPE will be allowed to appear in three consecutively available subsequent End Examinations of the concerned course. The criteria for giving grades in these three attempts will be the same as given in R. 13.2. However, grade IF in the final attempt will be converted into grade FF.

13.4 COURSE GRADE

Course grade will be given only when the student passes all component examinations. For graced passing, Grade C in MSE will be allowed.

Marks of SEE/SPE, ²CE and LPW examinations (as applicable) shall first be aggregated on the basis of the component / *inter se* weights given in the Teaching Scheme. After the aggregate marks of the entire group are so calculated, the performance of each student in the course as a whole will be assigned a grade based on his aggregate percentage viewed in relation to the overall performance of the group.

In giving relative grades, the number and designation of various grades (G) shall be kept the same as shown in Table 2(a). The course coordinator will decide the cut off percentages of relative grading subject to the guidelines prescribed by the Academic Council.

The Transcript will show only the Course Grade and not the Component Grades.

13.5 The provisions of R. 13.3 are subject to the maximum permissible duration to pass courses of first two semesters and the entire Programme given in R.17.

⁶ Amended by deletion vide Notification no. NU-77 dated 19.4.2006, BoG mtg.-31.3.2006, reso.-3(b)

⁷ Further added vide Notification no. NU-1345 dated 3.11.2006, BoG mtg.-13.10.06, reso.no. 5(b)

⁵ Amended by substitution vide Noti. no. NU-1864G dated 8.11.07, BoG mtg.-30.10.2007, reso.-5(a)

² Amended by substitution vide Notification no. NU-28 dated 20.4.2012, BoG mtg.-30.3.2012, reso.-5(G)

^{7-A} Added vide noti. No. NU-261 dated 11.05.2016, BoG mtg.-16.04.16, reso. No. 3(B)

R.MCA. (PG) 14. INTERPRETATION OF GRADES

- (a) Grade A+ should be given with great care and discretion. Normally it should be reserved for a very distinguished performance, with respect to both marks and quality of output.
- (b) Grade C+ is the minimum for passing. A student getting grade C in ²CE can improve his performance (at his option) by repeating ²CE in subsequent semester.
Better of the grades obtained in the two examinations will be considered.
- ¹(c) Grade FF –
- (i) If this grade is given because of ²NT (R.12), the student will have to seek ²RS registration for repeat study of the course.
- (ii) If the grade FF is given due to failure in the final admissible attempt in SEE, the student will have to seek ²RS registration for repeat study.
- (d) Grade IF - This is an interim fail grade given in CE,LPW and SEE/SPE as under.

<u>Performance</u>	<u>Grade</u>
Fail in CE	IF(C)
Fail in LPW	IF(L)
Fail in SEE/SPE	IF(S)
^x Fail in Overall Course	IF(O)

Note: If a student getting IF(O) in a course, then he/she can improve his/her performance by repeating CE (all components of CE) of the course in the subsequent semester depending upon his/her choice. In such case, he/she will also reappear in SEE.

R.MCA. (PG) 15. PASSING STANDARDS

15.1 PASSING A COMPONENT

The standards of passing a component / course / Programme are given below.
(Min C+ means grade C+ or a better grade)

² COMPONENT	-- Min C in each component examination i.e CE,LPW and SEE/SPE
² CE	-- Min C+ (in case of grade C, refer regulation for Gracing)
² LPW	-- Min C+
SEE/SPE	-- Min C+
COURSE	-- Min C+

⁸ Amended by substitution vide Notification no. NU-76 dated 23.4.2004, BoG mtg.-31.3.2004, reso.-7(b)

¹ Amended by substitution vide Notification no. NU-102 dated 6.5.2004, BoG mtg.-31.3.2004, reso.-12

² Amended by substitution vide Notification no. NU-28 dated 20.4.2012, BoG mtg.-30.3.2012, reso.-5(G)

15.2 GRACING -- A student not satisfying condition given in R 15.1 for passing a given course will be deemed to have been Graced for passing the course if the student fulfils the following two conditions:

- (i) Grade C in ²CE
- (ii) Min C + in SEE, ²CE and LPW (as applicable) and Min C+ in a course.

⁸A student will be allowed a total of Four Gracing in the entire programmes respectively.

¹No special mention about Gracing will be made in the Transcript. No Gracing will be allowed in Major Project (Thesis).

15.3 PROGRAMME --- Total credits of all credit courses of the Programme with
CPI min 6.0

15.4 FAILURE - Student not satisfying these criteria of Passing / Gracing / will be considered as having Failed in the Examination / Component / Course / Programme.

15.5 The student who has once passed an examination will not be allowed to appear at it again.

15.6 Grades/marks obtained by the student in examinations passed by him will be carried forward as necessary.

R.MCA. (PG) 16. PERFORMANCE LEVELS

16.1 INDICES

The performance level of the student in credit courses at different stages of his study is given by the following indices. All index values will be rounded off to the second place of decimal.

PIC -- Performance index for the course

PPI -- Progressive Performance Index

SPI -- Semester Performance index

CPI -- Cumulative Performance index

PIC = Equivalent grade point (g) corresponding to the course grade
(R. 10 and 13.4)

PPI -- (Up to any stage under consideration)

$$PPI = (i_1 c_1 + i_2 c_2 + i_3 c_3 \dots) / (\text{sum of credits of all courses registered upto that stage})$$
 where:

i_1, i_2, i_3, \dots are PIC values of CREDIT COURSES passed and

c_1, c_2, c_3, \dots are the credit values of the respective courses

SPI -- This index is similar to PPI except that the stage to be considered is the end of a semester

CPI -- This index refers to the entire programme. It is calculated when the student passes the programme. The method of calculation is the same as for PPI or SPI but the summation is for the courses of all semesters of the programme.

⁹ Amended by substitution vide notification No. NU-114 dated 19.11.08, BoG mtg.-24.10.08, reso. No. 4(d)

16.2 ⁹ CLASS AND PERCENTAGE (%) MARKS

In case an equivalence between CPI values and Class / % marks is desired, the same can be obtained as given below:

$$\% \text{ marks} = (\text{CPI} - 0.5) * 10$$

<u>CPI Value</u>	<u>Equivalent class</u>
6.00 to 6.49	Second
6.50 to 7.49	First
7.5 and above	First – with distinction

R.MCA. (PG) 17. CANCELLATION OF ADMISSION

17.1 The admission in the Programme of the following categories of students is liable to be cancelled.

- (i) Failure to pass all courses of Semester - I of the Programme within two years of admission to the Programme.
- (ii) Failure to pass all courses of Semester - II of the Programme within two and a half years of admission to the Programme.
- (iii) Failure to earn requisite number of credits to pass the entire programme within five years of admission to the programme.

¹⁰ The student, whose admission is so cancelled, can appeal to the Appeal Committee. The Committee may grant an extension only upto one additional semester for one of the categories falling under 17.1 (i), (ii) or (iii) for clearing the courses in deserving cases, provided the student gives a viable assurance to make up the shortfall within that period.

¹¹ Notwithstanding anything contained above, the President may consider the cases of such students falling under category (i), (ii) & (iii), if the student has cleared all the courses and have earned the requisite number of credits except one course, on an appeal filed. The President will consider such appeal on the recommendation of the appeal committee prescribed under the regulations for the purpose and after considering the genuineness of the case may give one additional attempt to the student concerned to clear the remaining course.

17.2 The student who satisfies R. 17.1 (i) and (ii) but who is unable to satisfy R.17.1 (iii) only because of delay in completing the Project work may apply, giving full reasons, to the HOD for an extension to submit his Project. The HOD may recommend to the Appeal Committee to grant an extension of up to two years in addition to the limit specified R. 17.1 (iii). The decision of the Appeal Committee in the case will be final.

¹⁰ Amended by addition vide Notification No. NU-101 dated 13.4.2007, BoG mtg.-31.3.2007, reso. No. 3(d)

¹¹ Amended by addition & then substitution vide Notification no. NU-1864A dated 8.11.07, BoG Mtg.-30.10.07, reso. No. 5(a) & then, NU-125 dated 14.10.2013, BoG mtg.-28.09.13, reso. 5(b)

17.3 If a student avails of the benefit of R. 17.2, and he passes the Programme, his Grade for passing the Programme will be pegged at C+ and CPI at 6.0.

R.MCA. (PG) 18. EXAMINERS

All continuous assessments will be carried out by the faculty concerned. All other assessments / examinations will be carried out by a panel of at least two examiners. The extent of associating external experts with the examinations, selection and appointment of all examiners will be decided by the Dean in consultation with a committee appointed for this purpose.

R.MCA. (PG) 19. SUPPLEMENTARY COURSES

The courses of this category are basically bridge courses to bring students of different universities to a common level in certain areas of basic importance to the Programme, e.g. familiarity with Mathematics, Software tools etc.

The Dean of the Faculty of Technology and Engineering is empowered to decide these courses, their curriculum, teaching & examination schemes, passing standards and such other matters as may be necessary for efficient conduct of courses.

DISCLAIMER

These regulations are the content of the original notifications issued in pursuance to the Board of Governors meetings and hence, in any dispute or doubt under this document, to be verified with the original notification and the same would be final.

ANNEXURE – 1
[Refer: R.MCA.(PG)-2]

Eligibility Criteria for candidates seeking admission in Master of Computer Application run under the Nirma University

(A) For First Year Master in Computer Application Programme:

1. The students seeking admission in the First Year of MCA Programme leading to Master Degree of Computer Applications shall have to be graduated from the university of Gujarat state or any recognized examinations considered equivalent by the Nirma University with ¹²**minimum % of marks** under 10+2+3 pattern **as prescribed by the Govt. of Gujarat from time to time.**

- ^{12/13} 2. In addition to above, the candidates must have passed Std. XII (HSC) examination or its equivalent examination with Mathematics or Business Mathematics or Statistics as one of the subjects. However, the candidate who has taken one of these subjects during graduation will also be eligible.

¹⁴(B) For Second Year Master in Computer Application Programme (Lateral Entry):

The candidate who has passed the qualifying examination in the stream of Bachelor of Computer Application or Bachelor of Science (IT) or Bachelor of Science (Computer) with minimum 50% marks (45% marks in case of SC/ST/SEBC category candidates) shall be eligible for lateral entry admission in the 3rd semester of the MCA Programme.

¹⁴(C) Determination of merits for the admission:

The admission to both the above two categories shall be given on merits by adopting one of the following methods as decided by the Academic Council:

- a. The marks obtained in qualifying examination.

OR

- b. The Entrance Test conducted by the Nirma University.

OR

- c. The marks obtained in Entrance Test + Qualifying Examination weightage of which shall be decided by the Academic Council.

OR

- d. Any other method to be decided by the Academic Council.

¹² Amended by addition vide Notification No. NU-83 dated 07.09.11, Section 19(3)

¹³ Amended by addition vide Notification No. NU-33 dated 15.4.08, BoG mtg.-29.3.08, reso. No. 4(b)(i)

¹⁴ Amended by addition vide Noti No. NU-128 dated 12.10.13, BoG mtg.-28.9.13, reso. No. 6 (A) (ii)- Fur Info.