

# NANDHA ENGINEERING COLLEGE

(An Autonomous Institution affiliated to Anna University Chennai and approved by AICTE, New Delhi)

Erode-638 052, Tamil Nadu, India, Phone: 04294 – 225585



## **Academic Rules and Regulations [R13] for Post-Graduate Degree Programmes**

(This Curriculum and Syllabi are applicable to Students admitted from the academic year 2013-2014  
To 2014-2015)

**AUGUST 2013**

## **REGULATIONS FOR POST-GRADUATE DEGREE PROGRAMMES [R13]**

These regulations are applicable to all Students admitted into Post-Graduate Degree Programmes from the academic year 2013-14 onwards.

### **1. INTRODUCTION**

Academic Programmes of the Institute are governed by rules and regulations approved by the Governing Body.

The academic rules and regulations are applicable to the students admitted from the academic year 2013-14 onwards into Post-Graduate Degree Programmes.

### **2. DEFINITIONS AND NOMENCLATURE**

In these Regulations, unless the context otherwise requires:

- 2.1 **“Programme”** means Post Graduate Degree Programmes e.g. M.E., M.Tech, MBA and MCA.
- 2.1 **“Branch”** means specialization or discipline of M.E. / M.Tech. / MBA Degree Programme like Structural Engineering, Engineering Design, Marketing, Systems, Finance and Human Resource etc.
- 2.2 **“Course”** means a theory or a practical subject that is normally studied in a semester, like Applied Mathematics, Advanced Thermodynamics and Human Resource Management etc.
- 2.1 **“University”** means affiliating University, ANNA UNIVERSITY, CHENNAI.
- 2.2 **“College”** means Nandha Engineering College, Erode, an Autonomous Institution affiliated to ANNA UNIVERSITY, CHENNAI and approved by AICTE New Delhi.
- 2.3 **“Credit”** means a numerical value allocated to course units to describe the students’ workload required per week.
- 2.4 **“Grade”** means the letter grade assigned to each course based on the marks range specified.
- 2.5 **“Grade point”** means a numerical value (0 to10) allocated based on the grade assigned to each course.
- 2.6 **“Head of the Institution”** means the Principal of the College.
- 2.7 **“Head of the Department”** means Head of the Department concerned.
- 2.8 **“Controller of Examinations”** means the authority of the College who is responsible for all activities of the Examinations.
- 2.9 **“BoS”** means Board of Studies which is responsible for preparing syllabi for various courses.
- 2.10 **“AC”** means Academic Council.
- 2.11 **“GC”** means Governing Council.
- 2.12 **“SCAA”** means Standing Committee for Academic Affairs.

### **3. ELIGIBILITY CRITERIA AND QUALIFICATION FOR ADMISSION**

- 3.1 Students for admission to the M.E. / M.Tech. / MBA / MCA degree programme will be required to satisfy the conditions of admission thereto prescribed by the Anna

University Chennai and Government of Tamil Nadu. Detailed admission criterion is given below.

- 3.1.1.** Students for admission to the first semester of the Post-Graduate Degree Programme shall be required to have passed an appropriate Under-Graduate Degree Examination of Anna University as specified under qualification for admission as per the Tamil Nadu Common Entrance Test (TANCET).

**Note:** TANCET releases the updated criteria during the admissions every academic year. Admission shall be offered only to the Student who possess the qualification prescribed.

(OR)

Any other relevant qualification which is not prescribed above shall be considered for equivalence prescribed by the Anna University Chennai and Government of Tamil Nadu. Admission to such degrees shall be offered only after obtaining equivalence to such degrees.

- 3.1.2.** However, the Anna University Chennai may decide to restrict admission in any particular year to Student having a subset of qualifications prescribed at the time of admission.

- 3.1.3.** Not with standing the qualifying examination the Student might have passed, the student shall have a minimum level of proficiency in the appropriate programme / courses as prescribed by the Anna University Chennai from time to time.

- 3.1.4.** Eligibility conditions for admission such as the class obtained, the number of attempts in qualifying examination and physical fitness will be as prescribed by the Government of Tamilnadu from time to time.

- 3.1.5.** All Part-Time (Day-Time mode) Students should satisfy other conditions regarding Experience, Sponsorship etc. that may be prescribed by the Government of Tamil Nadu from time to time.

#### 4. P.G. PROGRAMMES AND BRANCHES OF STUDY

| S.NO | PROGRAMME | BRANCH                           |
|------|-----------|----------------------------------|
| 1    | M.E.      | COMPUTER SCIENCE AND ENGINEERING |
| 2    |           | VLSI DESIGN                      |
| 3    |           | EMBEDDED SYSTEM TECHNOLOGIES     |
| 4    |           | APPLIED ELECTRONICS              |
| 5    |           | ENGINEERING DESIGN               |
| 6    |           | POWER ELECTRONICS AND DRIVES     |
| 7    |           | STRUCTURAL ENGINEERING           |
| 8    | M.B.A     |                                  |
| 9    | M.C.A     |                                  |

#### 5. STRUCTURE OF PROGRAMMES

- 5.1** Every Programme will have a curriculum and syllabi consisting of core courses, elective courses and project work approved by Academic Council of the College.

- 5.2** The Programme may also include seminar / practicals / practical training, if they are specified in the curriculum.
- 5.3** The electives from the curriculum are to be chosen with the approval of the Head of the Department.
- 5.4** A student may be permitted by the Head of the Department to choose a maximum of two electives from P.G. Programmes offered in any other Department of the Institutions during the period of his/her study, provided the Head of the Department offering such course also approves such requests subject to no clash in the time-table for the lecture classes of both departments.
- 5.5** Practical training or Industrial Training, if specified in the curriculum, should be organized by the Head of the Department / Institution for a duration not exceeding 4 weeks.
- 5.6** Each course is normally assigned certain number of credits with 1 credit per lecture period per week, 1 credit per tutorial period per week, 1 credit for 2 periods of laboratory or practical or seminar or project work per week (2 credits for 3 or 4 periods of practical).

## **5.7 MODES OF STUDY**

### **5.7.1. Full-Time**

Students admitted under 'Full-Time' should be available in the College / Institution during the entire duration of working hours (From Morning to Evening on Full-Time basis) for the curricular, co-curricular and extra-curricular activities assigned to them.

The Full-Time Student should not attend any other Full-Time programme(s) / course(s) or take up any Full-Time job / Part-Time job in any Institution or Company during the period of the Full-Time programme. Violation of the above rules will result in cancellation of admission to the PG programme.

### **5.7.2. Part-Time – (Day Time Mode) for M.E Programme**

This mode of study is applicable to those Students admitted under sponsored category (Teacher Students). In this mode of study, the Students are required to attend classes along with Full-Time students for the required number of courses and complete the course in three years.

### **5.7.3. Conversion from one mode of study to the other is not permitted.**

- 5.8** For the award of the degree, a student has to earn certain minimum total number of credits specified in the curriculum of the relevant branch.
- 5.9** The medium of instruction shall be English for all courses, examinations, seminar presentations and project thesis/dissertation reports.

## **6. DURATION OF THE PROGRAMME**

The minimum and maximum period for completion of the P.G. programmes are given below:

| <b>Programme</b>   | <b>Min. No. of Semesters</b> | <b>Max. No. of Semesters</b> |
|--------------------|------------------------------|------------------------------|
| M.E. (Full-Time)   | 4                            | 8                            |
| M.E. (Part Time)   | 6                            | 12                           |
| M.C.A. (Full Time) | 6                            | 12                           |
| M.B.A. (Full Time) | 4                            | 8                            |

- 6.1 The number of credits to be earned for the successful completion of the programme shall be as specified in the curriculum of the respective specialization of the P.G. Programme.
- 6.2 Each semester shall normally consist of 90 working days or 350 periods of each 50 minutes duration, for full-time mode of study (400 Periods for M.B.A.) or 200 periods for part-time mode of study. The Head of the Institution shall ensure that every faculty imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught. End of the Semester, End Semester Examination will be scheduled after the last working day of the semester.
- 6.3 Credits will be assigned to the courses for different modes of study as given below:  
The following will apply to all modes of P.G. Programmes.
- One credit for each lecture period allotted per week
  - One credit for each tutorial period allotted per week
  - One credit for each seminar/practical session of two periods designed per week.
- 6.4 Four weeks of practical training in any industrial / research laboratory correspond to one credit, and is applicable to all modes of study.
- 6.5 The minimum prescribed credits required for the award of the degree shall be within the limits specified below:

| <b>PROGRAMME</b> | <b>PRESCRIBED CREDIT RANGE</b> |
|------------------|--------------------------------|
| M.E.             | 65 to 75                       |
| M.C.A.           | 118 to 125                     |
| M.B.A.           | 90 to 100                      |

## 7. SYSTEM OF EXAMINATION

The system of examination is semester pattern. The examination for theory and practical courses shall be conducted for duration of three hours and shall normally be during the month of November / December and April / May every year.

- 7.1 Performance in each course of study shall be evaluated based on
- (i) Continuous internal assessment throughout the semester
  - (ii) End semester examination
- 7.2 Each course, both theory, practical and project work shall be evaluated for a maximum of 100 marks.
- 7.2.1. For all theory, practical courses and project work, the continuous internal assessment will carry 50 marks while the End Semester examination will carry 50 marks.
  - 7.2.2. Individual Project work shall be allotted to each student.
- 7.3. For the end semester examinations in both theory and practical courses including project work the internal and external examiners shall be appointed by the College.
- 7.4. The Industrial Training or Seminar shall carry 100 marks and shall be evaluated through internal assessment.

## 7.5. PROJECT WORK

- 7.5.1. The project work for M.E. / M.Tech. Programmes consist of Phase–I and Phase II. The Phase–I is to be undertaken during III semester and Phase–II, which is a continuation of Phase–I is to be undertaken during fourth semester and the final project work of MBA/MCA.
- 7.5.2. In case of Students of M.E. / M.Tech. Programmes not completing Phase-I of project work successfully, the Students can undertake Phase-I again in the subsequent semester. In such cases the Students can enroll for Phase-II, only after successful completion of Phase-I. In case of the students of the final project work of MBA / MCA. Programmes not completing successfully, he/she shall resubmit the project work within the 30 days from the date of declaration of the results. For this purpose the same internal and external examiners shall evaluate the resubmitted report. If a student fails to complete the project phase-1, he will be allowed to resubmit the project within 30 days. For phase-II project additional time of 60 days shall be permitted after the last working day.
- 7.5.3. The Phase I & II for ME and final semester viva voce for MBA/MCA will be evaluated by continuous evaluation and end semester examination.
- 7.5.4. Project work shall be carried out under the supervision of a “qualified teacher” in the Department concerned. In this context “qualified teacher” means the faculty member possessing a Ph.D. degree or PG degree with a minimum of 3 years experience in teaching PG courses.
- 7.5.5. A student may, however, in certain cases, be permitted to work on projects in an Industrial/Research Organization, on the recommendations of the Head of the Department Concerned. In such cases, the Project work shall be jointly supervised by a supervisor of the department and an expert, as a joint supervisor from the organization and the student shall be instructed to meet the supervisor periodically and to attend the review committee meetings for evaluating the progress.
- 7.5.6. The deadline for submission of final Project Report is the last working day of the semester in which project / thesis /dissertation is done as per the academic calendar published by the College.
- 7.5.7. Every Student doing M.E./ M.Tech/M.B.A/MCA shall publish or present a paper in a journal or a conference based on his/her project work. An acknowledgement for having communicated to the journal or conference shall be attached with the report of the project work.

## 8. PROCEDURES FOR AWARDING MARKS

8.1 The assessment shall be done as per the procedure laid down below:

| Theory Courses                      |           | Practical Courses              |           |
|-------------------------------------|-----------|--------------------------------|-----------|
| Continuous Internal Assessment      | 50 Marks  | Continuous Internal Assessment | 50 Marks  |
| End Semester Examination            | 50 Marks  | End Semester Examination       | 50 Marks  |
| Total                               | 100 Marks |                                | 100 Marks |
| Procedure for Continuous Assessment |           | Procedure for Continuous       |           |

|  |       | <b>Assessment</b>                    |       |
|--|-------|--------------------------------------|-------|
| Component  | Marks | Component                            | Marks |
| Internal Assessment Examination (IAE)<br>(3 tests each 3 hours duration) | 30    | Preparation & Conduct of experiments | 50    |
| Assignment/Tutorials   | 10    | Observation & results                | 30    |
| Attendance<br>(based on the individual subject attendance)               | 10    | Record                               | 10    |
|  |       | Viva voce                            | 10    |
|  |       | Total                                | 100*  |
|  |       | Model Exam                           | 100** |
| Total Internal Assessment  | 50    | Total Internal Assessment            | 50    |

\* All experiment marks will be averaged and reduced to 40 marks

\*\* Model Exam marks will be reduced to 10 marks

|  |          |                                    |  |          |          |
|--|----------|------------------------------------|--|----------|----------|
|  |          |                                    | Model Exam marks will be reduced to 10 marks                             |          |          |
| <b>End Semester Examination</b>  |          |                                    |  |          |          |
| Examination duration : 3 hours<br>Max. marks : 100 → Reduced to 50 marks   |          |                                    | Examination duration : 3 hours<br>Max. marks : 100 → Reduced to 50 marks |          |          |
| <b>Project Work – Phase I</b>  |          |                                    | <b>Project Work – Phase II</b>   |          |          |
| Project work Phase-I & II will be evaluated by continuous evaluation and end semester examination.<br>Continuous assessment – 50 marks<br>End semester assessment – 50 marks |          |                                    |  |          |          |
| Internal Mark (50 marks)<br>40 + 10 (Attendance)   |          | End semester assessment – 50 marks |  |          |          |
| Review-1   | Review-2 | Report                             | Viva-Voce (30 marks)   |          |          |
|  |          |                                    | Supervisor   | Internal | External |
| 20   | 20       | 20                                 | 10   | 10       | 10       |
|  |          |                                    |  |          |          |

| <b>Attendance</b> |         |         |         |         |         |          |
|-------------------|---------|---------|---------|---------|---------|----------|
| % of Attendance   | 00 - 74 | 75 - 79 | 80 - 84 | 85 - 89 | 90 - 94 | 95 – 100 |
| Marks             | 0       | 2       | 4       | 6       | 8       | 10       |

| <b>Assignments / Tutorials/Seminar</b> |                                    |   |
|--|------------------------------------|---|
| Theory based courses                   | 3 Assignments                      | 3 x 50 = 150 Marks. Each assignment will have 5 questions with minimum two to three sub-divisions. The average marks of all assignments will be reduced to 10 marks. Assignments shall be in the form of mini projects, quizzes, design problems etc. depending on the contents of subject. |
| Problem based courses                  | No. of tutorials as per time table | Each tutorial will have 5 questions with minimum two to three sub-divisions. The average marks of all tutorials will be reduced to 10 marks.  |

8.2 A re-test covering the entire syllabus shall be conducted for those Students who were absent with valid reasons for any of the three tests. The marks obtained shall be considered against the test absented. But, the eligibility of students for re-test

will be decided by the SCAA. The Students absenting for more than one test shall forego the marks accordingly.

8.3 Every Faculty is required to maintain a 'ATTENDANCE AND ASSESSMENT RECORD' which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (topic covered), separately for each course. This should be submitted to the Head of the Departments periodically (at least three times in a semester) for checking the syllabus coverage and the records of test marks and attendance. The Head of the Departments will put his signature and date after due verification at the end of the semester, the record should be verified by the Head of the Institution who will keep this document in safe custody (for five years).

8.4 The Practical classes for all the Practical / Laboratory component subjects will be assessed continuously and marks will be entered in the assessment record. If a student is absent for a particular laboratory class, then the Student will be permitted to perform experiments based on the recommendation of the Head of the Department during repeat classes conducted at the end of completion of all the experiments.

## **8.5 EVALUATION OF PROJECT WORK**

8.5.1. The evaluation of Project Work for Phase-I & Phase-II in the case of M.E. /M.Tech. and project work of M.B.A and M.C.A shall be done independently in the respective semesters and marks shall be allotted as per the weightages given in table above.

8.5.2. The Head of the Department shall constitute the review committee for each branch of study. There shall be two assessments during the semester by a review committee. The Student shall make presentation on the progress made before the Committee. There will be a viva-voce Examination during End Semester Examinations conducted by a Committee consisting of the Supervisor, one Internal Examiner and one External Examiner.

8.5.3. The Project Report prepared according to approved guidelines and duly signed by the supervisor(s) and the Head of the Department concerned, shall be submitted to the Head of the Institution.

8.5.4. The evaluation of the Project Work Phase - I & Phase - II (M.E. / M.Tech.) will be based on the project report submitted in each of the Phase – I & Phase - II semesters and a Viva-Voce Examination by a team consisting of the supervisor, an internal examiner (other than the supervisor) and an External Examiner for each programme. The internal examiner and the external examiner shall be appointed by the College for the evaluation.

8.5.5. If the Student fails to obtain 50% of the internal assessment marks in the Phase–I and Phase–II of M.E. / M.Tech. or the Final Project work of M.B.A. / M.C.A, he/she will not be permitted to submit the report for that particular semester and has to re-enroll for the same in the subsequent semester.

8.5.6. If a Student fails to submit the project report on or before the specified deadline, he/she is deemed to have failed in the Project Work and shall re-enroll for the same in a subsequent semester. This applies to both Phase–I and Phase–II in the



case of M.E. / M.Tech. Project Work and the Final Project work of M.B.A. / M.C.A.

- 8.5.7. If a Student fails in the viva-voce examinations of Phase-I, he/she has to resubmit the Project Report within 30 days from the date of declaration of the results. For phase-2 project additional time of 60 days shall be permitted after the last working day. If the student fails in the viva-voce examination of Phase-II of Project work of M.E. / M.Tech. or the Final Project work of M.B.A. / M.C.A, the student shall resubmit the Project Report within 60 days from the date of declaration of the results. For this purpose the same Internal and External examiners shall evaluate the resubmitted report.
- 8.5.8. A copy of the approved Project Report after the successful completion of viva-voce examinations shall be kept in the library of the college /institution.
- 8.6 A student who has passed all the courses prescribed in the curriculum for the award of the degree shall not be permitted to re-enroll to improve his/her marks in a course or the aggregate marks / CGPA.
- 8.7 Practical Training / Summer Project if specified in the Curriculum shall not exceed the maximum duration of 4 weeks and should be organized by the Head of the Department for every student.
- 8.8 The Internal marks are valid for two more attempts in addition to the current attempt for the Student admitted from the academic year 2013-2014 onwards. If a Student scores 50% of marks only in the end semester examination, after three attempts (First attempt + two more attempts), the Student would be declared to have passed in that examination.
- 8.9 At the end of Practical Training / Summer Project the Student shall submit a certificate from the organization where he/she has undergone training and also a brief report. The evaluation will be made based on this report and a Viva-Voce Examination, conducted internally by a Departmental Committee constituted by the Head of the Institution. Certificates submitted by the students shall be attached to the mark list sent by the Head of the Institution.

## 9. REQUIREMENTS FOR APPEARING FOR SEMESTER EXAMINATION

A student shall normally be permitted to appear for the semester examinations of current semester if the student has successfully completed the semester completion requirements as given below:

- 9.1 Every student is expected to attend all classes and secure 100% attendance. However in order to give provision for certain unavoidable reasons such as medical / participation in sports / participation in co-curricular activities personal, the student is excepted to attend at least 75% of classes during any semester commencing from first semester.
- 9.2 Every student has to register for examination in all courses of that semester. Registration is mandatory for current semester examinations as well as for arrear examinations failing which the Student will not be permitted to appear semester examinations.
- 9.3 A student shall secure not less than 75% (after rounding off to the nearest integer) of overall attendance taking into account the **total number of periods conducted in the semester** in all subjects put together attended by the student as against the total number of period in all subjects during that semester.

- 9.4 A student who secures overall attendance between 65% and 74% in that current semester due to medical reasons (prolonged hospitalization / accident / specific illness / Participation in sports events) may be permitted to appear for the current semester examinations subject to the condition that the student shall submit the medical certificate attested by the SCAA.
- 9.4.1. Condonation of shortage of attendance in aggregate up to 10% on medical grounds (65% and above and below 75%) in each semester may be granted by the College Academic Council. However, the subject of granting is purely at the discretion of the SCAA or competent authority.
- 9.4.2. A Student will not be promoted to the next semester unless he satisfies the attendance requirement of the present semester as applicable. They may seek re-admission for that semester as and when offered next.
- 9.4.3. Shortage of Attendance below 65% in aggregate shall in no case be condoned.
- 9.4.4. Students whose shortage of attendance is not condoned in any semester are not eligible to take their end semester examination of that particular semester and their registration for examination shall stands cancelled.
- 9.4.5. A stipulated fee shall be payable towards condonation of shortage of attendance.
- 9.4.6. Attendance may also be condoned for those who participate in prestigious sports, co- curricular and extracurricular activities provided their attendance is in the minimum prescribed range for the purpose and recommended by the concerned authority.
- 9.4.7. Condonation can be allowed only two times during the entire course of study.
- 9.4.8. The student progress has been satisfactory and
- 9.4.9. The student character and conduct have been satisfactory

## **10. PROVISION FOR WITHDRAWAL FROM END SEMESTER EXAMINATION**

- 10.1 A Student may, for valid reasons, be granted permission to withdraw from appearing for the examination in any course or courses of only one semester examination during the entire duration of the degree programme. Withdrawal application shall be valid only if the Student is otherwise eligible to write the examination. Application for withdrawal is permitted only once.
- 10.2 The Student may withdraw one or more subjects or entire current semester examinations. Such withdrawal shall not be construed as an appearance for the eligibility of the student for First Class with Distinction. This provision is not applicable to the Student applying for withdrawal during fourth in case of M.E., and MBA and sixth semester in case of MCA.
- 10.3 The Student has to file an application form (Format-1) with valid reasons and supporting documents to the Principal at least one day prior to the commencement of Examination of the current semester with the recommendations of the Head of the Department.
- 10.4 The Student may appear for the examinations of withdrawn subjects during the subsequent end semester examinations by satisfying clause 9.2.

## **11. PROVISION FOR AUTHORISED BREAK OF STUDY**

- 11.1 A Student is normally not permitted to temporarily break the study. However, if a Student intends to temporarily discontinue the programme in the middle for valid reasons (such as accident or hospitalization due to prolonged ill health) and to rejoin the programme in a later semester, the student shall apply in advance to the Principal, through the Head of the Department stating the reasons therefore, in any case, not later than the last date for registering for that semester examination.
- 11.2 The Student permitted to rejoin the programme after break shall be governed by the rules and regulations in force at the time of rejoining.
- 11.3 The duration specified for passing all the courses, for the purpose of classification vide clause 17.1 and 17.2 shall be increased by the period of such break of study permitted.
- 11.4 The total period of completion of the programme reckoned from the commencement of the semester to which the Student was admitted shall not exceed the maximum period specified in clause 6 irrespective of the period of break of study in order to qualify for the award of the degree.
- 11.5 If any student is detained for want of requisite attendance or due to disciplinary action, the period spent in that semester shall not be considered as permitted 'Break of Study'.

## **12. PASSING REQUIREMENTS**

- 12.1 A student who secures not less than 50% of total marks (including continuous assessment and end semester examination) prescribed for the course with a minimum of 50% of the marks prescribed for the end semester examination in both theory and practical courses (including project work), shall be declared to have passed the examination.
- 12.2 If a student fails to secure a pass in a particular course, it is mandatory that the student shall register and reappear for the examination in that course during the next semester when examination is conducted in that course. Student should continue to register and reappear for the examination till the student secures a "pass". However, the continuous assessment marks obtained by the Student in the first attempt shall be retained and considered valid for subsequent attempts also. The internal assessment marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the student secure a pass. However, from the third attempt onwards if a Student fails to obtain pass marks (IAE + End Semester Examination) as per clause 12.1 then the passing requirement shall be as follows:
  - The student should secure 50% and above the maximum marks prescribed for course in the end semester examinations alone irrespective of Internal Assessment marks obtained.

## **13. REVALUATION OF ANSWER SCRIPTS**

- 13.1 A student shall apply for revaluation of his / her semester examination answer script in a theory course within two weeks from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations. The Controller of Examinations shall arrange for the revaluation

and the results shall be intimated to the Student concerned. Revaluation is not permitted for practical courses and project work.

- 13.2** A Student shall apply for the Photocopy of his/her end semester examination answer script on payment of the prescribed fee through proper application to the Controller of Examinations after the revaluation results are announced to get himself / herself convinced of the valuation/revaluation.

#### **14. SUPPLEMENTARY EXAMINATION**

If a student fails to clear all courses after the announcement of final end semester results, the student shall not be allowed to take up supplementary examinations. The student shall register and reappear for the examination till he/she secures pass in all courses within the time frame specified vide clause 6.

#### **15. AWARD OF LETTER GRADES**

All assessments of a course will be done on absolute marks basis. However, for the purpose of reporting the performance of a Student, letter grades, each carrying certain points specified, will be awarded as per the range of total marks (out of 100) obtained by the Student (Regular or Arrear), as detailed below:

| <b>Letter grade</b> | <b>Grade Points</b> | <b>Marks Range</b>    |
|---------------------|---------------------|-----------------------|
| S                   | 10                  | 91-100                |
| A                   | 9                   | 81-90                 |
| B                   | 8                   | 71- 80                |
| C                   | 7                   | 61-70                 |
| D                   | 6                   | 57-60                 |
| E                   | 5                   | 50-56                 |
| RA                  | 0                   | <50                   |
| I                   | -                   | Inadequate attendance |
| W                   | -                   | Withdrawal            |
| AB                  | -                   | Absent                |

“**RA**” denotes **unsatisfactory grade which requires** Reappearance (**RA**) is required for the examination in the particular course. (This grade will figure both in Marks Sheet as well as in Result Sheet)

The Grade “**I**” denotes inadequate attendance as per clause 9 and hence prevention from writing the end semester examination.

“**W**” denotes **withdrawal** from the course as per clause 10.

The Grade “**I**” and “**W**” will figure only in the Result Sheets.

#### **15.1 GRADE SHEET**

After the results are declared, Grade Sheets will be issued to each student which will contain the following details:

- The name of the college in which the Student has studied

- The list of courses enrolled during the semester and the grade scored.
- The Grade Point Average (GPA) for the semester and
- The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards.
- GPA for a semester is the ratio of the sum of the products of the number of credits for courses acquired and the corresponding points to the sum of the number of credits for the courses acquired in the semester.

The Grade Point Average (GPA) is calculated using the formula:

$$GPA = \frac{\text{Sum of Credits acquired} \times \text{Grade points}}{\text{Sum of Credits Assigned}}$$

CGPA will be calculated in a similar manner, considering all the courses registered from first semester. “U”, “I” and “W” grades will be excluded for calculating GPA and CGPA.

$$CGPA = \frac{\sum_{i=1}^n C_i GP_i}{\sum_{i=1}^n C_i} \quad \text{Where } C_i - \text{is the credits assigned to the course}$$

$GP_i$  – is the point corresponding to the grade obtained for each course

$n$  – is number of all courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA

The GPA and CGPA are computed only for the Students with a pass in all the courses. The GPA and CGPA indicate the academic performance of a Student at the end of a semester and at the end of successive semesters respectively.

## 16. ELIGIBILITY FOR THE AWARD OF THE DEGREE

A student shall be declared eligible for the award of the degree if the student has:

- Successfully passed all the courses as specified in the curriculum corresponding to his/her programme within the stipulated period (as per clause 6)
- No disciplinary action is pending against him/her.
- The award of the degree must have been approved by the Academic Council.

## 17. CLASSIFICATION OF THE DEGREE AWARDED

- 17.1 A student who qualifies for the award of the degree (vide clause 16) after having passed all the courses of study of all the 4 / 6 semesters in respect of M.E and MBA / MCA and (6 semesters in case of part time) at the first opportunity within 4 / 6 consecutive semesters in respect of M.E and MBA / MCA (6 consecutive semesters in case of part time) excluding permitted break of study period after the commencement of his/her study and securing a CGPA of 8.50 and above shall be declared to have passed in First Class with Distinction.
- 17.2 A student who qualifies for the award of the degree (vide clause 16) after having passed all the courses of all the 4 semesters within a maximum period of 6 consecutive semesters (8 consecutive semesters in case of part time) excluding permitted break of study period after commencement of his/her study and

securing a CGPA of 6.50 and above shall be declared to have passed in First Class.

17.3 All other students (not covered in clauses 17.1 and 17.2) who qualify for the award of the degree (vide clause 16) shall be declared to have passed the examination in Second Class.

17.4 A student who is absent for semester examination in a course / project work after having registered for the same shall be considered to have appeared for that examination for the purpose of classification.

## **18. AWARD OF RANK**

The rank shall be awarded based on the following:

18.1 A Student who qualifies for the award of Degree by passing examination in all the subjects of the entire course with first attempt within a period of two consecutive years for M.E and MBA and three consecutive years for MCA from the date of admission is eligible for the award of rank. The student who loses one or more years of study for any reasons whatsoever is not eligible for the award of rank. Students transferred from other Institutions are not eligible for the calculation of rank.

18.2 The rank is determined based on the total marks secured from I Semester to IV Semester for M.E/M.B.A. and the total marks secured from I Semester to VI Semester for MCA

18.3 Ranks shall be awarded in each branch of study for the top two students out of total number of students appeared for the Regular Examinations.

## **19. MALPRACTICES IN TESTS AND EXAMINATIONS**

If a Student indulges in malpractice in any of the tests and end semester examinations, the student shall be liable for punitive action as per the examination rules prescribed by the college from time to time. The current rules of the examinations are given below:

### **RULES OF THE EXAMINATIONS**

A Student is permitted to use geometric tools, non-programmable calculators and approved tables and data books only during the theory and the practical examinations. No other material / gadget (including cell phone) should be brought inside the examination hall. A Student should neither possess / refer any forbidden material in any form nor should seek/obtain assistance in any form from any person / source towards answering the questions during the examinations. The student should not assist other Students in any form towards answering the questions during the examinations. The Student should not reveal his / her identity in any form in the answer scripts. The Student should not indulge in canvassing either directly or indirectly to award more than deserving marks in the examinations. The Student should maintain discipline and decorum during the examinations.

Violation of the above rules in any form during the examinations will attract punishment ranging from levying fine to permanently debarring the Student from continuing his / her studies as prescribed by the SCAA from time to time

## **20. REVISION OF REGULATIONS AND CURRICULUM**

The Academic council may from time to time revise, amend or modify the regulations, courses of study, scheme of examinations and syllabi as and when found necessary. Notwithstanding all that has been stated above, the Governing Body has the right to modify any of the above rules and regulations from time to time.