



ANNAPOORANA ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

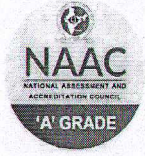
Accredited by NAAC with 'A' Grade & Accredited by NBA (Civil, CSE & EEE)

2(f) & 12(B) Status as per UGC Act 1956

ISO 9001:2015 Certified Institution

NH-47, Sankari Main Road, Periyaseeragapadi, Salem-636308, Tamil Nadu.

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REGULATIONS 2022 - BACHELOR OF ENGINEERING

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ANNAPOORANA ENGINEERING COLLEGE, SALEM 636308
(AN AUTONOMOUS INSTITUTION)
REGULATIONS 2022
CHOICE BASED CREDIT SYSTEM
Common to all B.E. (FULL TIME) DEGREE PROGRAMME

(For the students admitted to B.E Programme during the Academic year 2022 - 2023 and onwards)

- ❖ These regulations are applicable to the candidates admitted into B.E. programmes from the academic year 2022-2023 onwards.

1. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In these Regulations, unless the context otherwise requires:

- I. "University" means Anna University, Chennai.
- II. "Programme" means Under Graduate Degree Programme. i.e., B.E. Degree Programme.
- III. "Specialization/Branch/Discipline" means a specialization or branch or discipline of B.E Degree Programme like Civil Engineering, Mechanical Engineering, etc....
- IV. "Course/Subject" means a Theory or Practical subject that is normally studied in a semester, like Engineering Physics, Engineering Graphics, Engineering Practices Laboratory etc.,
- V. "Controller of Examinations" means the Authority who is responsible for all the activities of the End Semester Examinations of Annapoorana Engineering College.
- VI. "Head of the Institution" means the Principal of Annapoorana Engineering College who is responsible for all the academic activities of Annapoorana Engineering College and for implementation of relevant rules of this Regulation.
- VII. "Head of the Department" means Head of the Department concerned.



2. ELIGIBILITY

2.1 Admission to First Semester

The candidates seeking admission for the First Semester Bachelor of Engineering degree programme:

i. Should have passed the Higher Secondary Examinations of (10+2) in the academic stream with Mathematics, Physics and Chemistry as main courses of study conducted by the Government of Tamil Nadu or an examination accepted by the syndicate of Anna University as equivalent there to. They should also satisfy other eligibility rules as prescribed by the Anna University and Directorate of Technical Education, Government of Tamil Nadu from time to time. Provisions to admission of other State students also remains the same.

(OR)

ii. Should have passed the Higher Secondary Examination of Vocational Stream (Vocational groups in Engineering/Technology) as prescribed by the Government of Tamil Nadu.

2.2 Lateral entry admission

i. The candidates who possess the Diploma in Engineering / Technology awarded by the State Board of Technical Education, Tamil Nadu or its equivalent are eligible to apply for Lateral entry admission to the third semester of B.E. in the branch corresponding to the branch of study.

(OR)

ii. The candidates who possess the Degree in Science (B.Sc.,) (10+2+3 stream) with Mathematics as a subject at the B.Sc. Level are eligible to apply for Lateral entry admission to the third semester of B.E.

Such candidates shall undergo two additional Engineering subject(s) in the third and fourth semesters as given by BOS and approved by the Academic Council



3. PROGRAMMES OFFERED

The following Programmes and Branches of study, approved by Anna University, Chennai, and All India Council for Technical Education, New Delhi, are offered by the College.

PROGRAMME	BRANCH
BE	Automobile Engineering
	Civil Engineering
	Computer Science and Engineering
	Electrical and Electronics Engineering
	Electronics and Communication Engineering
	Mechanical Engineering

4. DURATION OF THE PROGRAMME

4.1 A student is ordinarily expected to complete the B.E. Programme in 8 semesters (four academic years) but in any case not more than 14 Semesters for HSC (or equivalent) students and not more than 12 semesters for Lateral Entry students.

4.2 Each semester shall normally consist of minimum of 90 working days or 540 periods of 6 Hours / day. The Head of the Department shall ensure that every teacher 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.

4.3 The total duration for completion of the programme reckoned from the commencement of the first semester to which the student was admitted shall not exceed the maximum duration specified in clause 4.1 irrespective of the period of break of study (vide clause 22) or prevention (vide clause 7.4) in order that the student may be eligible for the award of the degree (vide clause 17).



5. STRUCTURE OF PROGRAMMES

5.1 Categorization of Courses

Every B.E. Programme will have a curriculum with syllabi consisting of theory and practical courses that shall be categorized as follows:

- i. Humanities and Social Sciences (HS) courses include Technical English, Engineering Ethics and Human Values, Communication skills, Placement and Training, Career Development Program, Environmental Science and Engineering.
- ii. Basic Sciences (BS) courses include Mathematics, Physics, Chemistry, etc.
- iii. Engineering Sciences (ES) courses include Engineering practices, Engineering Graphics, Basics of Electrical / Electronics / Civil / Mechanical / Computer Engineering, Instrumentation etc.
- iv. Professional Core (PC) courses include the core courses relevant to the chosen specialization/branch.
- v. Professional Elective (PE) courses include the elective courses relevant to the chosen specialization/ branch.
- vi. Open Elective (OE) courses include the courses from other branches which a student can choose from the list, specified in the curriculum of the students B.E. Programmes.
- vii. Employability Enhancement Courses (EEC) include Project Work and/or Internship, Seminar, Professional Practices, Case Study and Industrial/ Practical Training.

5.2 Personality and Character Development

All students shall enroll, on admission, in any one of the personality and character development programmes (NCC/NSS/NSO/YRC) and undergo training for about 40 hours and attend a camp of about seven days if applicable. The training shall include classes on hygiene and health awareness and also training in first-aid.

- National Cadet Corps (NCC) will have about 20 parades.
- National Service Scheme (NSS) will have social service activities in and around the College / Institution.
- National Sports Organization (NSO) will have sports, Games, Drills and Physical exercises.



- Youth Red Cross (YRC) will have activities related to social services in and around College / Institutions.
- While the training activities will normally be during weekends, the camp will normally be during vacation period.

5.3 Number of courses per semester

Each semester curriculum shall normally have a blend of lecture courses not exceeding 8 and Laboratory courses and Employability Enhancement Course(s) not exceeding 4. Each Employability Enhancement Course may have credits assigned as per clause 5.4. However, the total number of courses per semester shall not exceed 12.

5.4 Credit Assignment

Each course is assigned certain number of credits based on the following:

Contact period	Credit
1 Lecture Period	1
1 Tutorial Period	1
2 Laboratory Periods / Project Work	1
EEC courses like Industrial Training / Internship /Seminar / Case study / etc.,	0

5.4.1 The prescribed range of total credits for each degree programme shall be 160 subject to a maximum of 165 credit points.

5.5 Industrial Training / Internship

The students shall undergo Industrial training for a period as specified in the Curriculum during summer / winter vacation. In this case the training has to be undergone for a period of 2 to 4 weeks.

The students may undergo Internship at Research organization / Industry / University approved by the HOD / Principal of the college for a period prescribed in the curriculum during summer / winter vacation, in lieu of Industrial training.



5.6 Industrial Visit

Every student should go for at least one Industrial Visit every year starting from the second year of the Programme. The Head of the Department shall ensure that necessary arrangements are made in this regard.

5.7 Value Added Courses

The Students shall undergo Value Added Courses through online / off-line mode and the credits earned through such Value Added Courses shall be replaced with an equivalent credit course existing in the curriculum, during the entire duration of the Programme, with the prior approval from the Head of the Department & Institution. (Note: Such option can be utilized only for one course during the entire programme) [Option 1 :- Two 2 credit courses shall be replaced with one 3 credit course , Option 2 :- One 2 credit course and One 1 credit shall be replaced for one 3 credit course, Option 3 :- Three 1 credit courses shall be replaced for one 3 credit course]. The approved list of courses will be provided by the Head of the Department and Institution from time to time.

The student needs to obtain certification or credit to become eligible for writing the End Semester Examination to be conducted by Controller of Examinations, Annapoorana Engineering College. The details regarding courses taken up by students should be sent to the Controller of Examinations, Annapoorana Engineering College one month before the commencement of End Semester Examination.

5.8 Eighth Semester Project Work in industry/research organizations

The students satisfying the following conditions shall be permitted to carry out their final semester Project work for six months in industry/research organizations.

The student should have no history of arrears, as well as no standing arrears and shall have CGPA of 7.00 and above up to 6th Semester. And hence thereafter, the courses of 8th semester shall be included in the curriculum of the 7th Semester itself and completed in a fast track manner.

5.9 Medium of Instruction

The medium of instruction is English for all courses, examinations, seminar presentations and project / thesis / dissertation reports.



6. COURSE ENROLLMENT AND REGISTRATION

The courses that a student registers in a particular semester may include

- i. Courses of the current semester.
- ii. Reappearance for the core (Theory / Lab / EEC) and Elective courses in the earlier semesters.
- iii. The student shall register for the project work in the VIII semester only.
- iv. Any other course(s) the student wishes to register as per norms (vide clauses 5.7 and 5.8)

6.1 Each student, on admission shall be assigned to a class advisor (vide clause 8) who shall advise and counsel the student about the details of the academic programme and the choice of courses considering the student's academic background and career objectives.

6.2 Every student shall enroll for the course of the succeeding semester before the end of the current semester. However, the student shall confirm the enrolment by registering for the courses within the first five working days after the commencement of the concerned semester.

6.3 No Elective course shall be offered by a Department unless a minimum of 10 students register for that course, subject to the approval of Head of the Department.

6.4 After registering for a course, a student shall attend the classes, satisfy the attendance requirements, earn Continuous Assessment Marks and appear for the End Semester Examinations.

6.4.1 Each student on admission shall register for all the courses prescribed in the curriculum for the first year of study.

6.4.2 The enrolment for the courses of the Semesters III to VIII will commence after successful publication of results within 10 working days of the preceding semester. The student shall enroll for the courses with the guidance of class advisor.

6.5 Registration for Reappearance

If a student fails to secure a minimum pass in theory / laboratory courses, he / she has to register for reappearance for that course with the same continuous assessment marks in the subsequent semesters (maximum 3 semesters) and attend the end semester examination.



7. ATTENDANCE REQUIREMENTS FOR COMPLETION OF A SEMESTER

A student who has fulfilled the following conditions (vide clauses 7.1 and 7.2) shall be deemed to have satisfied the attendance requirements for appearing for end semester examination of a particular course.

7.1 A candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester.

Ideally 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 reasons (prolonged hospitalization / accident / specific illness) the student is expected to attend atleast 75% of the classes overall taking into account the number of periods required as specified in the curriculum.

Therefore, he/she shall secure not less than 75% (after rounding off to the nearest integer) of the classes.

- i. He/she has earned not less than 75% of attendance on an average in all the courses in that semester.
- ii. His / her progress has been satisfactory, and
- iii. His / her conduct has been satisfactory.

7.2 However, a student who secures attendance between 65% and 74% in a course due to medical reasons (prolonged hospitalization / accident / specific illness) may be permitted to appear for the current semester examinations subject to the condition that the candidate shall submit the medical certificate and also by paying a Condonation fee. The same shall be forwarded to the Controller of Examinations for record purposes.

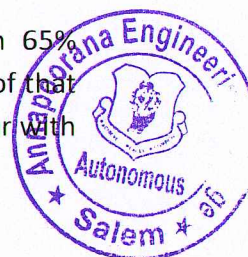
7.3 For the purpose of calculation of attendance requirement for writing the end semester examinations by the students for every course, the following method shall be used.

$$\text{Percentage of Attendance} = \frac{\text{Total no. of periods attended in all the course per semester}}{\text{No. of periods/week as prescribed in the curriculum) X 15}} \times 100$$

taken together for all courses of the semester

7.4 A student shall normally be permitted to appear for End semester examination of the course if the student has satisfied the attendance requirements (vide Clause 7.1 – 7.2) and has registered for examination in those courses of that semester by paying the prescribed fee.

7.5 Students who do not satisfy clause 7.1 and 7.2 and who secure less than 65% attendance in a course will not be permitted to write the End-Semester Examination of that course. The student has to register and repeat the semester in the next academic year with



the permission of the Head of the Institution and after getting readmission order from DOTE / University. The overall attendance may be calculated by taking two sessions per day and accounting absence of one session when a student is absent for even in one period of the respective session.

7.6 A student who has already appeared for a course in a semester and passed the examination is not entitled to reappear in the same course for improvement of grades.

8. FACULTY / CLASS ADVISOR

There shall be a faculty / class advisor for each class. He / She will be appointed by the Head of the Department of the student concerned. The class advisor is the ex-officio member and the Convener of the class committee.

The responsibilities for the class advisor shall be:

- To act as the channel of communication between the Head of the Department and the students of the respective class.
- To collect and maintain various statistical details of students.
- To help the chairperson of the class committee in planning and conduct of the classcommittee meetings.
- To monitor the academic performance of the students including attendance and to informthe class committee.
- To attend to the student's welfare activities like awards, medals, scholarships and industrial visits.
- To communicate the academic performance of their student to the parents.

9. CLASS COMMITTEE

9.1. Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson who is not teaching the class. It is like the 'Quality Circle' with the overall goal of improving the teaching learning process. The functions of the class committee include and not limited to

- Solving problems experienced by students in the class room and in the laboratories.
- Clarifying the regulations of the degree programme and the details of rules therein particularly (clause 4 and 7) which should be displayed on college Notice-Board.
- Informing the student representatives, the academic schedule including the dates of assessments and the syllabus coverage for each assessment.
- Informing the student representatives the details of Regulations regarding



weightage used for each assessment. In the case of practical courses (laboratory / drawing / project work / seminar etc.) the breakup of marks for each experiment / exercise / module of work, should be clearly discussed in the class committee meeting and informed to the students.

- Analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any.
- Identifying the weak students, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such weak students.

9.2 The class committee for a class under a particular branch is normally constituted by the Head of the Department. However, if the students of different branches are mixed in a class, the class committee is to be constituted by the Head of the Institution.

9.3 A minimum of 3 Class Committee Meeting shall be constituted in a semester. The 1st meeting shall be constituted within the first week of the semester, 2nd meeting during the Mid-Semester and the 3rd meeting towards the end of the semester.

9.4 At least 4 student representatives (usually 2 boys and 2 girls) shall be included in the class committee.

9.5 The Chairperson of the class committee may invite the Class adviser(s) and the Head of the Department to the class committee meeting.

9.6 The Head of the Institution may participate in any class committee of the institution.

9.7 The chairperson is required to prepare the minutes of every meeting, submit the same to Head of the Institution within two days of the meeting and arrange to circulate it among the students and teachers concerned. If there are some points in the minutes requiring action by the management, the same shall be brought to the notice of the Management by the Head of the Institution.

9.8 The first meeting of the class committee shall be held within one week from the date of commencement of the semester, in order to inform the students about the nature and weightage of assessments within the framework of the Regulations. Two or three subsequent meetings may be held in a semester at suitable intervals. The Class Committee Chairman shall put on the Notice Board the cumulative attendance particulars of each student at the end of every such meeting to enable the students to know their attendance details to satisfy the clause 7 of this Regulation. During these meetings the student members representing the entire class, shall meaningfully interact and express the opinions and suggestions of the other students of the class in order to improve the effectiveness of the teaching learning process.



10. COURSE COMMITTEE FOR COMMON COURSES

Each common theory course offered to more than one discipline or group, shall have a "Course Committee" comprising all the teachers teaching the common course with one of them nominated as Course Coordinator. The nomination of the Course Coordinator shall be made by the Head of the Department depending upon whether all the teachers teaching the common course belong to a single department or to several departments. The 'Course committee' shall meet in order to arrive at a common scheme of evaluation for the test and shall ensure a uniform evaluation of the tests. Wherever feasible, the course committee may also prepare a common question paper for the internal assessment test(s).

11. SYSTEM OF EXAMINATION

11.1 Performance in each course of study shall be evaluated based on

- (i) Continuous Assessment (CA) throughout the semester and
- (ii) End Semester Examination (ESE) at the end of the semester.

11.2 Each course, both theory and practical (including project work & viva voce Examinations) shall be evaluated for a maximum of 100 marks.

For all theory, practical and project work courses, the internal assessment will carry 40% weightage, while the End Semester Examination will carry 60% weightage. (i.e.) Each course shall be evaluated for a maximum of 100 marks as shown below:

Sl.No.	Category of course	Continuous Assessment	End-Semester Examinations
1	Theory Courses/ Theory Courses with Laboratory Component	40 Marks	60 Marks
2	Laboratory Courses	40 Marks	60 Marks
3	Project Work	40 Marks	60 Marks
4	All other EEC Courses (Employability Enhancement Courses)	Completed / -	

11.3 Industrial training and seminar shall carry 100 marks and shall be evaluated through internal assessment only.

11.4 For Continuous Assessment of Theory Courses, Two Tests will be conducted for 1 hour and 30 Minutes each and 1 Model Examination will be conducted for 3 Hours



Duration. The End semester examination of 3 hours duration shall ordinarily be conducted between October and December during the odd semesters and between April and June during the even semesters.

11.5 The end semester examination for project work and practical work shall consist of evaluation of the final report submitted by the student or students of the project group (of not exceeding 4 students) by an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the supervisor of the project group and an internal examiner.

11.6 For the end semester examination in both theory and practical courses including project work the examiners shall be appointed by the Controller of Examinations.

11.7 Supplementary Examination: In order to complete the program within 4 years, if a student has to reappear for maximum of three courses of the current semester alone, after the announcement of the end semester examination results. The supplementary examination will be conducted within a month after the announcement of the end semester examination results. For supplementary examination the continuous assessment marks of the last attempt will be considered. The students are eligible to write supplementary examinations from their first semester itself.

12. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

- For all theory courses, the continuous assessment shall be for a maximum of 40 marks.
- For all practical courses, the continuous assessment shall be for a maximum of 40 marks.
- For project work, the continuous assessment shall be for a maximum of 40 marks.

The above continuous assessment shall be awarded as per the procedure given below:

12.1 (a) Theory Courses

Three tests, Out of which Two Tests carrying 50 marks each and One Model Examination carrying 100 marks shall be conducted during the semester by the Department concerned. The total marks obtained in all tests put together out of 200, shall be proportionately reduced for 25 marks and rounded to the nearest integer (This also implies equal weightage to all the three tests). And the remaining 15 marks shall be allotted for seminar / presentations, assignment, tutorials, etc.,

(i) Retest: On Extraordinary circumstances/medical reasons, retest for the continuous assessment tests may be conducted on receiving request from the student with suitable evidence with the approval of the Head of the Department concerned.



The student must attend the end semester examination for 100 marks and the marks obtained shall be converted to 60 marks.

The question paper pattern for the Two Internal Assessment Tests shall be : 8 questions in Part A each carrying 1 mark, 4 question in Part B each carrying 3 marks and 2 questions in Part C each carrying 15 marks. And for the Model Examination the question paper pattern is: 10 questions in Part A each carrying 1 mark, 5 question in Part B each carrying 3 marks and 5 questions in Part C each carrying 15 marks. (First Two units for test 1, next Two units for test 2 and all 5 Units for Model Examination).

The End Semester Examination question pattern is 10 questions in Part A each carrying 1 mark, 5 question in Part B each carrying 3 marks and 5 questions in Part C each carrying 15 marks covering all five units. The duration of End Semester Examinations is 3 hours. For Continuous assessment tests valuation is single valuation and for the End Semester Examinations it is evaluated by Internal / External Examiner.

(b) Practical Courses:

The maximum marks for Internal Assessment shall be 40% in case of practical courses. Every practical exercise / experiment shall be evaluated based on conduct of Experiments / Execution, Record, Model Exam and viva-voce.

The criteria for arriving at the Internal Assessment marks and End Semester Examinations are as follows:

Internal Examinations (40 Marks)			End Semester Examinations (60 Marks)
Conduct of Experiments/ Execution	Record	Model Exam	External
20	10	10	60

The student must attend the end semester examination for 100 marks and the marks obtained shall be converted to 60 marks.

(c) Theory Courses with Laboratory Component:

If there is a theory course with Laboratory component, there shall be three assessments: the first two assessments will be from theory portions and the third assessment will be for laboratory component. The sum of marks of all three assessments shall be reduced to 40 marks and rounded to the nearest integer.



Internal Examinations (40 Marks)			End Semester Examinations (60 Marks)
First continuous assessment	Second continuous assessment	Model Exam	External
10	10	20	60

The student must attend the end semester examination for 100 marks and the marks obtained shall be converted to 60 marks.

12.2 Project Work:

Project work may be allotted to a single student or to a group of students not exceeding 4 per group. The same has to be recommended by the project supervisor and approved by the Head of the Department.

The Head of the Department concerned shall constitute a review committee for project work for each branch of study. There shall be three reviews during the semester by the review committee. The student shall make presentation on the progress made by them before the committee. The total marks obtained in the three reviews is added and rounded to the nearest integer.

Internal Examinations (40 Marks)			End Semester Examinations (60 Marks)		
Review I	Review II	Review III	Thesis (20)	Viva voce (40)	
10	10	20	External	Internal	External
			20	20	20

12.2.1 The project report shall be submitted as per the approved guidelines as given by the academic committee. Same mark shall be awarded to every student within the project group for the project report. The viva-voce examination shall carry 40 marks. Marks are awarded to each student of the project group based on the individual performance in the viva-voce examination. The student must attend the end semester examination for 100 marks and the marks obtained shall be converted to 60 marks.

12.2.2 If a candidate 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-enrol for the same in the subsequent semester.

12.3 EMPLOYABILITY ENHANCEMENT COURSES (EEC)

(a) The Industrial / Practical Training, Summer Project, Internship, shall be evaluated through internal assessment only. At the end of Industrial / Practical training / internship / Summer Project, the candidate shall submit a certificate from the organization where he / she has undergone training and a brief report. The evaluation will be made based on this



report and a Viva-Voce Examination, conducted internally by a three member departmental committee constituted by the Head of the Department.

(OR)

(b) The seminar / Case study is to be considered as purely internal. Every student is expected to present a seminar / case study for each semester before the evaluation committee. The three member committee appointed by Head of the Department will evaluate the seminar.

12.4 Internal marks approved by the Head of the Institution shall be displayed by the respective Head of the Department within 5 days from the last working day.

12.5 Attendance Record : Every teacher is required to maintain an '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 department 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 department will put his/her signature along with 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). The inspection team appointed by the Principal may verify the records of attendance and assessment of both current and previous semesters.

13. REQUIREMENTS FOR APPEARING FOR END SEMESTER EXAMINATIONS

- A candidate shall normally be permitted to appear for the End Semester Examinations for all the courses registered in the current semester (vide clause 6) if he/she has satisfied the semester completion requirements (subject to clause 7).
- A candidate who has already appeared for any subject in a semester and passed the examination is not entitled to reappear in the same subject for improvement of grades.

14. PASSING REQUIREMENTS

A candidate who secures not less than 50% of total marks prescribed for the course [Internal Assessment + End Semester Examinations], shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for theory, practical and project work.



15. AWARD OF LETTER GRADES

15.1 All assessments of a course will be evaluated on absolute marks basis. However, for the purpose of reporting the performance of a candidate, letter grades, each carrying certain number of points, will be awarded as per the range of total marks (out of 100) obtained by the candidate in each subject as detailed below:

Letter grade	Grade Points	Marks Range
O (Outstanding)	10	91 – 100
A+ (Excellent)	9	81 – 90
A (Very Good)	8	71 – 80
B+ (Good)	7	61 – 70
B (Fair)	6	56 – 60
C (Average)	5	50 - 55
U (Reappear)	0	<50
SA (Shortage of Attendance)	0	
W (Withdrawal)	0	

- A student is deemed to have passed and acquired the corresponding credits in a particular course if he/she obtains any one of the following grades: "O", "A+", "A", "B+", "B", "C".
- "SA" denotes shortage of attendance (as per clause 7.4) and hence prevention from writing the end semester examinations. 'SA' will appear only in the result sheet.
- "U" denotes that the student has failed to pass in that course. "W" denotes withdrawal from the exam for the particular course. The grades "U" and "W" will figure both in Marks Sheet as well as in Result Sheet. In both cases the student has to reappear for the End Semester Examinations.

15.2 For the Co-curricular activities such as National Cadet Corps (NCC)/ National Service Scheme (NSS) / NSO / YRC, a Completed / - grading will appear in the mark sheet.

16. ISSUE OF GRADE SHEETS, GPA & CGPA CALCULATION

Individual Grade sheet for each semester will be issued through the Head of the Department concerned, after the publication of the results with following details.

- 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 is the ratio of the sum of the products of the number of credits of courses registered and the points corresponding to the grades scored in those courses, taken for all the courses, to the sum of the number of credits of all the courses in the semester. GPA shall only be in two Decimal place (eg..7.48, 5.56, etc..)

$$\text{GPA} = \frac{\text{Sum of [C x GP]}}{\text{Sum of C}}$$

Where C – credit of a particular subject/Course

GP – grade point obtained by the student in the respective subject/Course.

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

17. ELIGIBILITY FOR THE AWARD OF THE DEGREE

17.1 A student shall be declared to be eligible for the award of the B.E. Degree provided the student has :

- i. Successfully gained the required number of total credits as specified in the curriculum corresponding to the student’s programme within the stipulated time.
- ii. Successfully completed the course requirements, appeared for the End-Semester examinations and passed all the subjects prescribed in all the 8 semesters within a maximum period of 7 years (6 years in the case of Lateral Entry) reckoned from the commencement of the first (third in the case of Lateral Entry) semester to which the candidate was admitted.
- iii. Successfully completed the NCC / NSS / NSO / YRC requirements.
- iv. No disciplinary action pending against the student.



17.2 CLASSIFICATION OF THE DEGREE AWARDED

17.2.1 FIRST CLASS - DISTINCTION WITH HONOURS

A student who satisfies the following conditions shall be declared to have passed the examination in First class with Distinction:

- i. Should have secured a CGPA of not less than 8.50 and
- ii. Should have passed the examination in all the courses of all the eight semesters and 6 semesters (in the case of lateral entry) in the student's First Appearance within five years (Four years in the case of lateral entry).
- iii. Withdrawal from examination (vide Clause 15) will not be considered as an appearance. One year authorized break of study (if availed of) is included in the five years (Four years in the case of lateral entry) for award of First class with Distinction.
- iv. Should NOT have been prevented from writing end semester examination due to lack of attendance in any semester.
- v. Should undergo additional Two Elective Courses listed in the curriculum.

17.2.2 FIRST CLASS WITH DISTINCTION

A student who satisfies the following conditions shall be declared to have passed the examination in First class with Distinction:

- i. Should have secured a CGPA of not less than 8.50 and
- ii. Should have passed the examination in all the courses of all the eight semesters and 6 semesters (in the case of lateral entry) in the student's First Appearance within five years (Four years in the case of lateral entry).
- iii. Withdrawal from examination (vide Clause 15) will not be considered as an appearance. One year authorized break of study (if availed of) is included in the five years (Four years in the case of lateral entry) for award of First class with Distinction.
- iv. Should NOT have been prevented from writing end semester examination due to lack of attendance in any semester.

17.2.3 FIRST CLASS:

A student who satisfies the following conditions shall be declared to have passed the examination in First class:

- i. Should have secured a CGPA of not less than 7.00 and
- ii. Should have passed the examination in all the courses of all eight semesters (6 semesters in the case of Lateral Entry) within six years (Five years in the case of Lateral Entry).



- iii. One year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of six years (five years in the case of lateral entry) for award of First class.

17.2.4 SECOND CLASS:

All other students (not covered in clauses 17.2.1 and 17.2.2) who qualify for the award of the degree (vide Clause 17.1) shall be declared to have passed the examination in Second Class.

18. PHOTOCOPY / REVALUATION

18.1 A candidate can apply for photocopy of his/her end semester examination answer paper in a theory course, within 1 week from the declaration of results, on payment of a prescribed fee through proper application to the Controller of Examinations through the Head of the Department. The answer script is to be valued and justified by a faculty member, who handled the subject and recommend for revaluation with breakup of marks for each question. Based on the recommendation, the candidate can register for the revaluation through proper application to the Controller of Examinations. The Controller of Examinations will arrange for the revaluation and the results will be intimated to the candidate concerned through the Head of the Department. Revaluation is not permitted for practical courses and for project work.

A candidate can apply for revaluation of answer scripts for not exceeding 5 subjects at a time.

18.2 Challenging the revaluation is permitted for those students who have applied for photocopy of answer script. The copy of the answer script is to be valued by a competent authority and the valued script should be submitted to COE's office along with prescribed fee for challenging the revaluation within 2 days after declaration of the revaluation results.

19. DISCIPLINE & MALPRACTICE

19.1 Every student is required to observe disciplined and decorous behaviour both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the College. The Head of Institution shall constitute a disciplinary committee consisting of Head of Institution, Two Heads of Department of which one should be from the faculty of the student, to enquire into acts of indiscipline.

19.2 If a student indulges in malpractice in any of the end-semester examinations, he/she shall be liable to face punitive action as prescribed by the Controller of Examination of the college.



20. PROCEDURE FOR USING SCRIBE

If a candidate is physically challenged / meets with accident or suffers from ill health at the time of examination, with the authorized certification from scribes shall be permitted to use a scribe to write the examination on payment of a prescribed fee through proper application to the Office of the Controller of Examinations. In such case, maximum one hour extra time will be permitted. The scribe shall be a non-engineering student/ graduate.

21. PROVISION FOR WITHDRAWAL FROM END-SEMESTER EXAMINATION

21.1 A student may, for valid reasons, (medically unfit/unexpected family situations /sports approved by Chairman, sports board and HOD) be granted permission to withdraw from appearing for the end semester examination in any course or courses in **any one** of the semester examinations during the entire duration of the degree programme. The application shall be sent to Director, Student Affairs through the Head of the Institutions with required documents.

21.2 Withdrawal application is valid if the student has no history of arrear and is otherwise eligible to write the examination (Clause 7) and if it is made within a reasonable time prior to the commencement of the examination in that course or courses and recommended by the Head of the Institution and approved by the Controller of Examinations.

21.3 Notwithstanding the requirement of mandatory 10 days notice, applications for withdrawal for special cases under extraordinary conditions will be considered on the merit of the case.

21.4 Withdrawal shall not be construed as an appearance for the eligibility of a candidate for First Class with Distinction.

21.5 This provision is also applicable to those who seek withdrawal during VIII semester. Withdrawal is permitted for the end semester examinations in the final semester only if the period of study the student concerned does not exceed 5 years as per clause. Withdrawal from the end semester examination is NOT applicable to arrear subjects of previous semesters. The candidate shall reappear for the withdrawn courses during the examination conducted in the subsequent semester.

22. PROVISION FOR TEMPORARY & AUTHORISED BREAK OF STUDY FROM A PROGRAM

22.1 A student is permitted to go on break of study for a maximum period of one year as a single spell.

22.2 Break of Study shall be granted only once for valid reasons for a maximum of one year during the entire period of study of the degree programme. However, in extraordinary situation the candidate may apply for additional break of study not exceeding another one year by paying prescribed fee for break of study. If a candidate intends to temporarily



discontinue the programme in the middle of the semester for valid reasons, and to rejoin the programme in a subsequent year, permission may be granted based on the merits of the case provided he / she applies to DOTE, Anna University through the Head of the Institution, but not later than the last date for registering for the end semester examination of the semester in progress, through the Head of the Institution stating the reasons therefore and the probable date of rejoining the programme.

22.3 The candidates permitted to rejoin the programme after break of study / prevention due to lack of attendance, shall be governed by the Curriculum and Regulations in force at the time of rejoining. The students rejoining in new Regulations shall apply to the Head of the Institution in the prescribed format through Head of the Department at the beginning of the readmitted semester itself for prescribing additional courses, if any, from any semester of the regulations in-force, so as to bridge the curriculum in-force and the old curriculum.

22.4 The authorized break of study would be counted towards the duration specified for passing all the courses for the purpose of classification (vide Clause 17.2).

22.5 The total period for completion of the Programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 4.1 irrespective of the period of break of study in order that he / she may be eligible for the award of the degree.

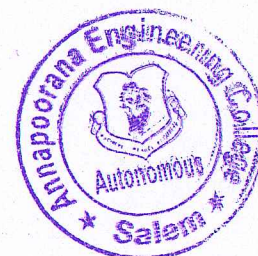
22.6 If any student is prevented for want of required attendance, the period of prevention shall not be considered as authorized 'Break of Study' (Clause 22.1)

23. RANK OF A STUDENT

A candidate who qualifies for the Degree by passing the examination in all courses of the entire programme in the first attempt within a period of EIGHT Semesters from the date of admission to the course can be given his/her position in the class as rank. The rank is determined from the I Semester to VIII Semester end semester examination mark percentage.

24. SPECIAL CASES

In the event of any clarification in the interpretation of the above rules and regulations, they shall be referred to the Academic Appeals Board. The Academic Appeals Board will offer suitable interpretations/ clarifications / amendments required for special case on such references and get them ratified in the next meeting of the Academic Council. The decision of the Academic Council will be final.



25. REVISION OF REGULATIONS, CURRICULUM AND SYLLABI

The College may from time to time revise, amend or change the Regulations, Curriculum, Syllabus and scheme of examinations through the Academic Council of the College.

