ADHIYAMAAN COLLEGE OF ENGINEERING

(An Autonomous Institution)

B.E. / B.Tech. / B.Arch.
Regulations -2022

Approved by AICTE - New Delhi.
Affiliated to Anna University - Chennai
Accredited by NBA - NAAC - UGC - New Delhi.

Dr. M.G.R. Nagar, Hosur - 635 130, Krishnagiri (Dist.), Tamil Nadu

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Dr. M. G. R. Nagar, HOSUR-635130, Krishnagiri (Dist.), Tamil Nadu, India.
www.adhiyamaan.ac.in

REGULATIONS - 2022

B.E./B.Tech./B.Arch. Degree Programmes
(Under Choice Based Credit System)

The following regulation will be applicable to the students admitted in various degree programme from the academic year 2022-2023 onwards.

1.0 PRELIMINARY DEFINITIONS AND NOMENCLATURE

In these Regulations, unless the context otherwise requires:

I. **"Programme"** means Degree Programme (i.e.) B.E./B.Tech./B.Arch. Degree Programmes.

II. **"Discipline"** means Branch or Specialization of B.E./B.Tech. Degree Programmes.

III. **"Choice Based Credit System"** means providing choices for students to select courses from the prescribed course categories in the preferred semesters complying with pre-requisites and based on the students' learning aptitudes.

IV. **"Course"** means a Theory or Practical course that is normally studied in a semester.

V. **"Head of the Institution (HoI)"** means the Principal of the college.

VI. **"Dean (Autonomous Functioning)"** means the authority of the college who is responsible for the functioning of the institute activities.

VII. **"Dean (Academics)"** means the authority of the college who is responsible for all academic activities for the implementation of relevant rules and regulations.

VIII. **"Dean (R&D)"** means the authority of the college who is responsible for Research and Development activities of the Institute.

IX. **"Controller of Examinations (CoE)"** means the authority of the college who is responsible for all activities of the Semester End Examinations system.

X. **"Head of the Department (HoD)"** means the authority responsible for Department concerned.

XI.   **"DoTE"** means Directorate of Technical Education, Chennai.

XII.   **"University"** means Anna University, Chennai.

XIII.   **"CIO"** means Chief Incubation Officer.

XIV.   **"COA"** means Council of Architecture.

XV.   **"BoS"** means Board of Studies.

XVI.   **"Academic Council"** means the Apex Body for academic matters of the Institute.

XVII.   **"Governing Body"** means the Administrative and Policy-making Body of the Institute.

2.0   ADMISSION NORMS

Candidates seeking admission to the B.E./B.Tech. (Regular/Lateral Entry) and B.Arch. Degree Programmes shall be required to satisfy the conditions of the admission thereto prescribed by the Anna University, Chennai, AICTE and Council of Architecture (COA), New Delhi (for B.Arch. Programme) and Government of Tamil Nadu.

3.0   DURATION OF THE PROGRAMMES

3.1   A student after securing admission shall pursue B.E./B.Tech.(Regular) programme for a period of 4 Years (8 Semesters) and a maximum period of 7 years (14 Semesters).

3.2   B.E./ B.Tech. (Lateral Entry) programme for a period of 3 Years (6 Semesters) and a maximum period of 6 years (12 Semesters).

3.3   B.Arch. Programme for a period of 5 years (10 Semesters) and a maximum period of 8 years (16 Semesters).

3.4   The academic year shall be divided into two semesters. Each semester shall normally be consisting of minimum 90 working days.

4.0   PROGRAMMES OFFERED

4.1   Regulations are applicable to the following B.E./B.Tech./B.Arch. Degree Programmes.

S.No.	NAME OF THE PROGRAMME
1	B.E. Aeronautical Engineering
2	B.E. Biomedical Engineering
3	B.E. Civil Engineering
4	B.E. Computer Science and Engineering
5	B.E. Electronics and Communication Engineering
6	B.E. Electrical and Electronics Engineering
7	B.E. Mechanical Engineering
8	B.Tech. Artificial Intelligence and Data Science

S.No.	NAME OF THE PROGRAMME
9	B.Tech. Biotechnology
10	B.Tech. Chemical Engineering
11	B.Tech. Information Technology
12	B. Arch. Architecture

4.2   Credit Range for B.E./B.Tech./B.Arch. Programmes

As per the guidelines of the statutory bodies, the lower and upper limit of credits for B.E./B.Tech. Degree programmes shall be 160 to 165 and 260 to 300 for B.Arch Degree programme.

5.0   STRUCTURE OF THE PROGRAMMES

5.1   Every programme has a curriculum with syllabus consisting of theory, laboratory, theory-cum-laboratory, studio and theory-cum-studio courses such as:

i.   Humanities and Social Sciences including Management Courses (HSMC) include Professional English, Ethics and Human Values etc.

ii.   Basic Science Courses (BSC) include Mathematics, Physics, Chemistry, Environmental Science etc.

iii.   Engineering Science Courses (ESC) include Engineering Practices, Engineering Graphics, Mechanics of Structures, Structural Analysis and Design, Basics of Civil/Mechanical/Electrical/Electronics/Instrumentation, Computer Engineering, etc.

iv.   Professional Core Courses (PCC) include the core courses relevant to the chosen branch.

v.   Professional Elective Courses (PEC) include the elective courses relevant to the chosen branch offered under verticals.

vi.   Skill Enhancement Courses (SEC) include Advance Art Studio, Digital Drawing, Visualization and Representation, Working Drawing and Detailing etc.

vii.   Open Elective Courses (OEC) include the courses offered by a branch to other branches, from the list specified in the respective curriculum of the B.E./B.Tech./B.Arch. programmes.

viii.   Employability Enhancement Courses (EEC) include Mini Project, Project Work, Internship, Seminar, Professional Practices, Case Study and Industrial/Practical Training etc.

ix.   Professional Ability Enhancement Compulsory Courses (PAEC) include Internship, Dissertation, Thesis etc.

x. Mandatory Courses (MC) include the courses such as Scientific Thoughts in Tamil, Tamil and Technology, Constitution of India etc.

xi. Audit Courses (AC) include the courses prescribed by the Board of Studies concerned.

5.2 Personality and Character Development

All students shall enroll, on admission, in any one of the personality and character development programmes (NSS/YRC/RRC/Yoga/Fine Arts/Sports) and undergo training/attend a camp.

The training activities/events/camp shall normally be organized during the weekends/vacation period.

5.3 Mandatory Induction Programme for First Year Students

The first-year students, upon admission, shall undergo a mandatory Two-week induction programme consisting of physical activities, creative arts, universal human values, literary works, proficiency modules, lectures by eminent personalities, visits to local industries, familiarization with departments etc.

5.4 Number of Courses per Semester

The curriculum of each semester shall normally have a blend of theory, laboratory, theory-cum-laboratory, studio, theory-cum-studio and mandatory courses, not exceeding Ten.

5.5 Credit Assignment

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

Contact period per week	Credit(s)
1 Lecture Period	1
1 Tutorial Period	1
2 Periods of Laboratory/Studio	1
2 Seminar/Project/EEC	1

5.6   Internship with Credits

Duration	Credit(s)
2weeks*	1
4weeks*	2

*1 Week = 40 Internship Hours

The students shall undergo industrial training/internship for a period as specified in the curriculum during the summer/winter vacation after completion of 1st year. A maximum of four weeks (at a stretch or split of two weeks). Industrial training is compulsory for all UG programmes / students.

The B.Arch. students shall undergo Internship Program of one entire semester with the minimum 16-week period as a mandatory requirement with 24 credits (4 weeks = 6 credits).

The students may take up internship at a research organization/eminent academic Institutions/Industry, after due approval from the HoD.

Attendance certificate mentioning the period of internship and signed by the competent authority shall be submitted to the HoD and the same shall be forwarded to the CoE for further processing.

5.7   Industrial Visit

The student shall undergo at least one industrial visit every year, starting from the second year of the programme. The Heads of Departments shall ensure the same.

5.8   Study Visits/Tours for B. Arch Programme

5.8.1 Students shall undertake one rural visit as a part of their Rural Habitat Design Studio in the IV semester.

5.8.2 Students shall undertake mandatory educational tour during the period of study and is a credited course. The educational tour will be directed towards understanding specific place(s) of architectural and cultural significance.

5.8.3 Students shall also undertake other study visits for various courses as arranged during the course of the B.Arch. Degree Programme.

5.9 Massive Open Online Courses (MOOC)

5.9.1 Students are permitted to register in reputed online course platforms like SWAYAM for Skill Development, Humanities, Management, Design/Research Methodology/ Entrepreneurship with prior approval from the HoD concerned.

5.9.2 Students are permitted to undergo two online courses, subject to a maximum of six credits, with the approval of the HoD, in lieu of Open Elective/Professional Elective courses.

5.9.3 A Committee consisting of HoD, Faculty Advisor and Senior Faculty member nominated by the HoD shall monitor to ensure that the student has not studied such courses and would not repeat them as Professional Elective/Open Elective courses.

5.10 Naan Mudhalvan Courses to be added as professional elective courses as per the Tamil Nadu state government guidelines.

5.11 Mandatory Courses (MC) Thoughts in Tamil, Tamil and Technology, Constitution of India etc. have been included in the curriculum as per guidelines from AICTE & Anna University.

5.12 Audit Courses (AC) Students may optionally study Audit Courses prescribed by the Board of Studies and shall be printed in the Grade Sheet. However, it shall not be considered for the computation of CGPA.

5.13 Employability Enhancement Courses (EEC)

Employability Enhancement Course: One Course per semester with a weightage of one credit.

As per Anna University Guidelines:

1st Semester   : English Laboratory

2nd Semester   : Communication Laboratory, Advance Art Studio

3rd Semester   : Professional Development Programme, Digital Drawing.

4th Semester   : Math Solver Software

5th - 7th Semesters: Industry oriented embedded course in collaboration with industries.

5.14 Value Added Courses (VAC)

The students shall optionally undergo VAC like Application of MATLAB, Robotics using Embedded Systems and Web Design to obtain practical and industry specific knowledge. The credits earned through the VAC shall be over and above the total credit

requirements prescribed in the curriculum. One/Two credit courses shall be offered by the department with prior approval from the HoI.

The details of the syllabus, schedule and course coordinator may be sent to the HoI well in advance for approval. Students may take a maximum of two value added courses during the entire duration of the programme.

The credits earned through the VAC shall not be considered for computation of CGPA but shall be printed in the grade sheet.

5.15 Advancement of Courses

The students who completed their final semester courses (except project work) in advance shall be permitted to carry out their final semester Project Work/Thesis for six months in an industry/research organization.

These students shall undergo the eighth/tenth semester courses other than the Project Work/Thesis between fifth and seventh semester (for B.E./B.Tech.) and the sixth and eighth semester (for B.Arch.) provided they do not have any arrears.

The HoD, in consultation with the faculty handling the aforesaid courses, shall forward the proposal recommended by the HoI to the CoE for further processing at least 4 weeks before the course registration.

5.16 Innovation driven prototype/Business models

The students (Max. four in a team) shall be awarded credits if they successfully come out with innovation driven prototype/business models at the Development of Entrepreneurs Through Incubation at Adhiyamaan College of Engineering (DETI@ACE) – Technology Business Incubator (TBI). The prototype/business models shall be certified by the HoD and CIO of DETI@ACE – TBI. Further, based on the recommendation by the HoD, they will be exempted (up-to a maximum of two credits) from the mini project under Employability Enhancement Program category.

5.17 Start-up by the Student Inventors

Student(s), either as a single or team (Max. four in a team), who successfully come up with a start-up at DETI@ACE TBI, shall be awarded with credits. On submission of

documents for the start-up, endorsement by the CIO and the HoD where student(s) is (are) studying, the CIO may recommend to the HoD for the exemption of Project work.

5.18 Medium of Instruction

The medium of instruction is English for all courses, examinations, seminar, presentations and laboratory record/project report.

6.0 REGISTRATION

Course Code Numbering Scheme

Sem. No.   RegulationR2022   Dept. Code   Course Type   Sequence No.01-99
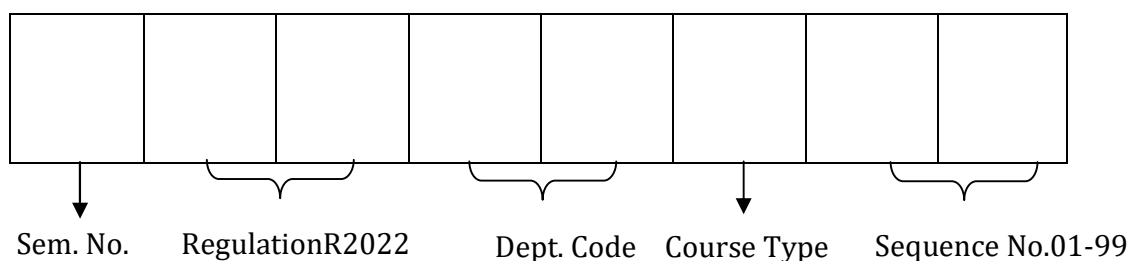
Dept. Code:

AE - Aeronautical Engineering
BM- Biomedical Engineering
CE - Civil Engineering
CS - Computer Science and Engineering
EC - Electronics and Communication Engineering
EE - Electrical and Electronics Engineering
ME - Mechanical Engineering
AI - Artificial Intelligence and Data Science
BT - Biotechnology
CH - Chemical Engineering
IT- Information Technology
AR – Architecture

Course Type:

T – Theory
P – Practical
I – Integrated/Embedded
E – Elective
O – Open Elective
M – Mandatory Course
V – Value Added Course
A – Audit Course

6.1 Each student, on admission, shall be assigned a Faculty 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 Registration for the courses of the first to the final semester shall commence during the first week of the current semester. The student shall register for the courses with the guidance of the Faculty Advisor. If the student wishes, the student may drop or add courses (vide clause 6.4) within ten working days after the commencement of the

current semester and complete the registration process duly recommended by the Faculty Advisor and approved by the HoD.

6.3 After registering for a course, a student shall attend the classes, satisfy the attendance requirements, earn continuous assessment marks and appear for the semester end examinations.

6.4 **Flexibility to Change Course**

6.4.1 A student has to earn the total number of credits specified in the curriculum of the respective programme of study in order to be eligible to obtain the degree.

6.4.2 On the recommendation of the Faculty Advisor and approval of the HoD, the student has the option to change the course(s) within the stipulated period (vide clause 6.2).

6.4.3 From the first to the pre-final semester, the student has the option of dropping existing courses in a semester. The total number of credits for such courses cannot exceed 6.

6.4.4 The student has to register for the project work only in the VIII semester for B.E./B.Tech. programme and Internship in the IX semester and Thesis in the X semester for B.Arch.

6.5 **Reappearance Registration**

6.5.1 If a student fails in any course, registration for the same in the subsequent semester is compulsory.

6.5.2 If a student has not registered for examinations or prevented from writing semester end examinations due to lack of attendance, the student has to rejoin the programme in the same semester during the next academic year with the prior approval of the DoTE and the University.

7.0 **REQUIREMENTS FOR APPEARING FOR SEMESTER END EXAMINATION**

A student who has fulfilled the following conditions shall be considered to have satisfied the attendance requirements to appear for the semester end examination of a particular semester.

7.1 Ideally, every student is expected to attend all periods and earn 100% attendance. However, the student shall secure not less than 75% attendance.

7.2 If a student secures attendance between 65% and 75% in the current semester, due to

medical reasons (hospitalization/accident/specific illness) or due to participation in the College/University/State/National/International level Sports events with prior permission from the HoD and HoI concerned, the student shall be given condonation at the discretion of the HoI and shall be permitted to appear for the semester end examination. In all such cases, the students should submit the required documents to the HoI through the HoD concerned. **Condonation shall be given only once in the course of study.**

7.3 A student shall be permitted to appear for the semester end examination of the course if the student satisfies the attendance requirements (vide Clause 7.1 & 7.2) and registers for examinations of that semester by paying the prescribed examination fee. However, if a student fails to register for semester end examinations, it shall be treated as detained and has to rejoin as per clause 6.5.2.

8.0   FACULTY ADVISOR

To help the students in planning their courses of study and for general advice on the academic programme, the concerned HoD of the students shall attach a certain number of students to a faculty of the Department who shall function as Faculty Advisor for those students throughout their period of study. The Faculty Advisor shall advise the students in registering and reappearing (Arrear) for courses, authorize the process, monitor their attendance, academic progress and counsel them periodically. If necessary, the Faculty Advisor may also discuss with or inform the parents about the progress/performance of the students concerned.

The responsibilities of the Faculty Advisor shall be:

➢   To act as the channel of communication between the HoD 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 conducting the class committee meetings

➢   To monitor the academic performance of the students including attendance and to inform the class committee

➢   To guide the students' welfare activities like awards, medals, scholarships, industrial visits etc

9.0   CLASS COMMITTEE

A Class Committee is constituted class-wise by the HoD and shall normally comprise of faculty members handling the classes, student representatives and a senior faculty member who doesn't handle the courses as Chairman.

The composition of the Class Committee for each programme is as follows:

All the faculty members handling courses of the semester and two student representatives (male and female) of each class nominated by the HoD.

All the Faculty Advisors, HoD and the Class Committee shall meet at least twice during a semester. The first meeting shall be held within two weeks from the date of commencement of classes, in which the components of Continuous Assessment for various courses and the weightages for each component of the assessment are decided and informed to the student. Two or three subsequent meetings may be held at suitable intervals in which the members shall meaningfully interact and express opinions and suggestions to improve the effectiveness of the teaching-learning process.

10.0   ASSESSMENT PROCEDURES FOR AWARDING MARKS

Performance in each course of study shall be evaluated based on the marks for continuous assessment which is 40 for theory courses and 60 for laboratory courses/project and the semester end examination carries 60 marks for theory courses and 40 for laboratory courses/project. Seminars, Industrial visits/ Practical training/In-plant training, Case Study, etc. are evaluated by continuous assessment for 100 Marks.

10.1 Assessment of Courses

10.1.1   Continuous Assessment (CA)

THEORY COURSES (B.E./B.Tech./B.Arch.)

For all the theory courses, the continuous evaluation shall be for 40 marks consisting of three-unit tests, two model examinations and assignments.

LABORATORY COURSES (B.E./B.Tech.)

For all the laboratory courses, the continuous evaluation shall be for60 marks consisting of the student's performance in each laboratory session and model laboratory exam shall be conducted.

PROJECT WORK (B.E./B.Tech.)

For project work, the HoD shall constitute the Project Review Committee (PRC) consisting of two faculty members with diversified specializations and the project guide. The continuous evaluation shall be done for 60 marks consisting of students performance in Review I, Review II and Review III.

THEORY CUM STUDIO COURSES (B.Arch.)

For all the theory-cum-studio courses, the continuous evaluation shall be for a maximum of 50 marks consisting of student's performance in unit tests, model examinations and assignments.

STUDIO COURSES (B.Arch.)

For all the studio courses, the HoD shall constitute the Review Committee consisting of two faculty members and studio-in-charge. The continuous evaluation shall be of 60 marks consisting of student's performance in Review I, Review II and Review III.

INTERNSHIP PROGRAM/ DISSERTATION/THESIS (B.Arch.)

For dissertation/thesis, the HoD shall constitute the Review Committee consisting of experts with diversified specialization and project guide. Continuous Assessment shall be evaluated for 50 marks.

10.1.2　End Assessment (EA)

The Semester End Examinations for theory/practical or studio/theory-cum-practical or studio courses shall be of 3 hours duration unless otherwise specified and shall normally be conducted during November/December in the odd semester and April/May in the even semester. Semester End Examination is a mandatory requirement for passing the course.

Scheme of Assessment

Sl.No.	Course Type		Continuous Assessment Components									End Assessment Components		
			Unit Tests	Model Examination	Assignment	Lab Performance	Laboratory Record	Model Examination	Review1	Review2	Review3	Written Exam	Practical Exam	Project Report and Viva-Voce
1	Theory		30	5	5	-	-	-	-	-	-	60	-	-
2	Theory cum Studio Courses		30	5	15	-	-	-	-	-	-	50	-	-
3	Studio		-	-	-	-	-	-	20	20	20	-	-	40
4	Lab		-	-	-	25	15	20	-	-	-	-	40	-
5	Project		-	-	-	-	-	-	20	20	20	-	-	40
6	Theory + Lab (Integrated)	Theory	30	5	5	-	-	-	-	-	-	60	-	-
		Lab	-	-	-	25	15	20	-	-	-	-	40	-
7	Internship Programme, Dissertation and Thesis		-	-	-	-	-	-	15	15	20	-	-	50

10.2 ASSESSMENT OF PROJECT WORK

External Assessment for the project work is based on project report and viva-voce.

10.2.1. If any candidate fails to submit the project report on or before the date specified by the department, he/she is deemed to have failed in the project work. The failed student(s) shall register for the same in the subsequent semester, when offered next, and start again the project.

10.3 ASSESSMENT FOR INTERNSHIP PROGRAMME

Every student of B. Arch. degree programme shall, in the IX Semester, undergo internship programme for the entire duration of the semester in the office of an architect or an organisation operating in an allied field of practice or research, duly approved by the institution, under mentorship of an architect having experience of at least 5 years. Training in foreign country shall be given under the Registered Architect of that Country and to be approved and monitored by the HoD.

Internship programme shall commence on the reopening day of the semester and conclude on the last working day of that semester as per the academic schedule of the Institute. Ideally, every student is required to undertake the entire duration of internship programme in a single architectural office. However, under unforeseen circumstances, if the student wishes to change his/her place of internship programme, the student shall be allowed to do so only once, provided the student satisfies a minimum of 30 days internship in one of the offices.

The internal marks shall be based on the monthly progress report given by the mentoring architect of the office. Each assessment shall incorporate continuous marking of the regular work and performance in the office during the particular assessment period. The assessments shall be collected and compiled by Internship Coordinator. External Assessment for the internship programme is based on internship report of drawings and viva-voce.

10.4 ASSESSMENT FOR THESIS/ DISSERTATION

Every student of B. Arch degree programme has to submit Dissertation and Thesis proposals, based on the syllabus for approval, well before the commencement of the VIII and X Semester respectively, on a date specified by the HoD.

The Review Committee shall consist of the Thesis/Dissertation Coordinator, Internal Member and an Expert appointed by the HoD to review and assess the same.

10.5 ASSESSMENT FOR VALUE ADDED COURSES

The HoD may identify a faculty member as coordinator for the course. A committee consisting of the HoD, faculty handling the course, coordinator and a senior faculty member nominated by the HoD shall monitor the evaluation process. The marks/grades earned by the students shall be forwarded to the CoE office for further processing.

10.6 ASSESSMENT FOR ONLINE COURSES

On successful completion of the course, the student has to submit the digitally signed and verified certificate to the HoD and the same shall be forwarded to the CoE office. Based on the recommendations of the HoD and PAC (Programme Assessment Committee), the MOOC course may be included for the calculation of CGPA.

10.7 ASSESSMENT FOR AUDIT COURSES

For those students who complete the audit course satisfying attendance requirement, the title of the Audit Course shall be mentioned in the grade sheet. If the attendance requirement is not satisfied, it shall not be shown in the grade sheet. The credits earned through the audit courses shall be over and above the total credit requirements prescribed in the curriculum. These credits are not considered for CGPA calculation but are printed in the grade sheet.

10.8 ASSESSMENT FOR MANDATORY COURSES

For those students who complete the mandatory course satisfying attendance requirement, the title of the Mandatory Course shall be mentioned in the Grade Sheet. If the attendance requirement is not satisfied, it will not be shown in the Grade Sheet. The credits earned through the mandatory courses shall be over and above the total credit requirements prescribed in the curriculum. These credits are not considered for CGPA calculation but are printed in the grade sheet.

10.9 ASSESSMENT FOR EDUCATIONAL TOUR (B.Arch.)

The Educational Tour shall be evaluated internally for 100 marks by a Committee based on a tour report submitted individually by every student after undertaking the Educational Tour. The Committee will consist of an internal faculty who accompanied the students on the Tour and an internal faculty nominated by the HOD. The report should convey an overall understanding of the place(s) through different modes as found appropriate sketches, analysis, digital documentation, essays etc.,

11.0 PASSING REQUIREMENTS

The Passing requirement for a student in a course is based on the marks obtained both in Continuous Assessment (CA) and End Assessment (EA).

Student shall be declared pass, if he/she secures 50% of marks in the Semester End Examinations (EA) and 50% marks in total (CA+EA), in theory/practical courses.

If a student fails to secure a pass in a particular course, it is mandatory that he/she shall register and reappear for the examination in that course during the next semester; he/she should continue to register and reappear for the examination till he/she secures a pass.

However, the Continuous Assessment marks (CA) obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts.

If a student of B.Arch. is absent for the viva-voce in Practical/Studio courses, he/she can attend a substitute viva-voce with the portfolio/report that was already submitted. There is no option to improve portfolio/report and Continuous Assessment marks (CA) obtained by the student in the first appearance shall be retained.

Educational Tour (B.Arch.)

The passing requirement for the Educational Tour is 50% which are assessed only through internal assessment. In case a student fails to secure a pass or absent in the Educational Tour, he/ she shall repeat the Educational Tour when offered next batch.

11.1 Photocopy and Reevaluation

Revaluation is not permitted for laboratory/studio courses.

Stage I:

➤ The student who wants to apply for reevaluation has to apply for photocopy of answer script(s) by paying the prescribed fee

➤ The student may approach a subject expert in the department for review of the photocopy of answer script(s)

Stage II:

➤ Based on the review, the student can apply for the reevaluation through proper application to the CoE

➤ The CoE shall arrange for the reevaluation and the results shall be intimated to the student through the department

The student can apply for the reevaluation of answer scripts for not exceeding five courses at a time.

12.0 REQUIREMENTS FOR MOVING TO A HIGHER SEMESTER IN B. ARCH.

12.1 A student of the B.Arch. shall move to the next higher semester upon satisfying semester completion requirements under the following conditions.

To move to:

a) III semester, a pass is required in - Fundamentals Design Studio (Sem – I)

b) IV semester, a pass is required in - Architectural Design Studio I (Sem – II)

c) V semester, a pass is required in - Architectural Design Studio II (Sem – III)

d) VI semester, a pass is required in - Rural Habitat Design Studio (Sem – IV)

e) VII semester, a pass is required in - Architectural Design Studio III (Sem – V)

f) VIII semester, a pass is required in - Architectural Design Studio IV (Sem –VI)

12.2 Only upon the successful completion of the internship programme, a student shall be permitted to register for the tenth semester's Thesis course.

13.0 AWARD OF LETTER GRADES

The award of letter grades shall be decided based on the grading principle. If the student strength is greater than 30, the relative grading shall be adopted. However, if the student strength is less than or equal to 30, the fixed grading shall be followed. The grade range is as specified below:

O	A+	A	B+	B	C	U
91-100	81-90	71-80	61 -70	56-60	50–55	<50

The performance of a student shall be reported using letter grades, each carrying certain points as detailed below:

Letter Grade	Grade Points
O (Outstanding)	**10**
A+ (Excellent)	9
A (Very Good)	8
B + (Good)	7
B (Average)	6
C (Satisfactory)	5
U (Re-appearance)	**0**
SA (Shortage of Attendance)	-
WD (Withdrawal)	-

13.1 GPA AND CGPA CALCULATION

During each semester, the list of courses registered and the grades scored in each course are used to compute the Grade Point Average (GPA). GPA is the ratio of the sum of the product of the number of credits of passed courses registered and the grade points corresponding to the grades scored in those courses to the sum of the number of credits of all the passed courses in that semester.

$$CGPA/GPA = \frac{Sum\ of\ Weighted\ Grade\ Points}{Total\ Credits} = \sum \frac{(GPi)Ci}{Ci}$$

Where,

Weighted grade pointes W in each course = Grade Points (GP_i) multiplied by credits = (GP_i) C_i Cumulative Grade Point Average (CGPA) up to that point of time.

13.2 The credits earned through vide clause 5.11, 5.12, 5.13 and 5.14 shall not be considered for calculating GPA and CGPA**.**

13.3 Conversion of CGPA into Percentage of Marks:

Percentage of Marks = CGPA X 10

13.4 Malpractice in Examinations

If a student indulges in malpractice in any of the Continuous Assessment/End Assessment, he/she shall be liable for punitive action as prescribed by the institute, in line with university rules from time to time.

14.0 OPTIONS FOR B.E./B. TECH. PROGRAMME AND ELIGIBILITY

In order to provide the flexibility, multi-disciplinary and a holistic education, the following options are provided for the students of B.E./B. Tech. programmes.

14.1 B.E./B. Tech. (Hons.) Specialization in the same discipline, B.E./B.Tech. (Hons.) and B.E./B.Tech. Minor in other specialization

B.E./B.Tech. Honours (specialization in the same discipline)

a. The student should have earned additionally a minimum of 18 credits from a specified vertical of the same programme.
b. The student should have passed all the courses in the first attempt.
c. The student should have earned a minimum CGPA of 7.50.

B.E/B.Tech. Honours

a. The students should have earned additional courses (minimum of 18 credits) from more than one vertical of the same programme.
b. The student should have passed all the courses in the first attempt.
c. The student should have earned a minimum CGPA of 7.50

B.E./B.Tech. (Minor in other specialization)

1. The student should have earned additionally a minimum of 18 credits in any one of the verticals of other B.E/B.Tech. Programmes or from any one of the following:

Vertical I: Fintech and Block chain
Vertical II: Entrepreneurship
Vertical III: Public Administration
Vertical IV: Business Data Analytics
Vertical V: Environment and Sustainability

2. Students can earn a maximum of 6 out of 18 credits in online mode (SWAYAM platform) as approved by the respective Board of Studies.

3. B.E./B.Tech. (Hons.) Specialization in the same discipline, B.E/B.Tech. (Hons.) and B.E./B.Tech.(Minor), is optional for the students.

4. The students shall be permitted to register for the aforesaid courses from V Semester onwards provided that the marks earned by the students until III semester is of CGPA 7.50 and above and cleared all the courses in the first attempt.

5. If a student decides not to opt for Honors, after completing a certain number of additional courses, the additional courses studied shall be considered instead of the Professional Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of Professional Elective courses required as per the curriculum, the courses with only higher grades shall be considered for the calculation of CGPA. Remaining courses shall be printed in the grade sheet. However, they will not be considered for calculation of CGPA.

6. If a student decides not to opt for a Minor, after completing a certain number of courses, the additional courses studied shall be considered instead of Open Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of open electives required as per the curriculum, the courses with only higher grades shall be considered for calculation of CGPA. Remaining courses shall be printed in the grade sheet. However, they will not be considered for calculation of CGPA.

15.0 ELIGIBILITY FOR THE AWARD OF DEGREE

15.1 A student shall be declared to be eligible for the award of the B.E./B.Tech./B.Arch. Degree provided that the student has

1. successfully gained the required number of total credits as specified in the curriculum corresponding to the student's programme within the stipulated period.

2. successfully completed the course requirements, appeared for the Semester End examinations and passed all the courses prescribed in all the semesters within a maximum period of 7 years (6 Years for Lateral Entry) and 8 Years for B. Arch.

3. successfully passed the additional courses, prescribed by the BoS whenever readmitted/admitted through transfer, under prevailing regulations.

4. no disciplinary action pending against the student.

15.2 CLASSIFICATION OF THE DEGREE AWARDED

Description	Class
Passing all the courses on the first attempt. CGPA≥**8.50** with no history of arrears. The degree must be completed within the stipulated period.	First Class with Distinction
CGPA ≥ **6.50** Degree must be completed within the stipulated period/passed the examination in all the courses within the specified minimum number of semesters plus a grace period of one year.	First Class
All other successful candidates.	Second Class

16.0 PROVISION FOR WITHDRAWAL FROM EXAMINATION

16.1 A student may withdraw from examination for any valid reasons (medically unfit/unexpected family situations/sports activities) once, in any one of the semesters. In line with this, the HoD has to recommend and the HoI has to approve the same.

16.2 Withdrawal application shall be valid only if the student is otherwise eligible to write the examination (Clause 7) and if it is made within ten working days before the commencement of the semester end examinations and recommended by the HoD.

17.0 BREAK OF STUDY FROM A PROGRAMME

17.1 A student may be allowed to break temporarily for valid reasons (such as prolonged illness, hospitalization, unexpected family situation etc.) and to rejoin the programme. The student shall apply through HoD and the HoI, in any case, not later than two months prior to the commencement of the ensuing semester in which break has occurred to repeat that semester in the next academic year. This is subject to the approval of DoTE and Anna University-Chennai.

17.2 The students permitted to rejoin the programme after break of study/detention 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 CoE in the prescribed format through HoD at the beginning of the readmitted semester itself for prescribing additional/equivalent courses, if any, from any semester of the regulations in-force, so as to bridge the curriculum in-force and the old curriculum.

17.3 The total period of completion of the programme, to which the candidate was first admitted, shall not exceed the maximum period specified vide clause 3.1, irrespective of the period of the break of study in order that he/she may be qualified for the award of the degree.

18.0 CODE OF CONDUCT

Violation of code of conduct shall result in disciplinary actions such as reprimand, disciplinary probation, penalty, prevention from the examination, withholding of grades/degree, cancellation of registration, withdrawal of placement services and even expulsion from the institution.

19.0 REVISION OF REGULATIONS, CURRICULUM AND SYLLABI

The institute may from time-to-time revise, amend or change the regulations, curriculum, syllabus and scheme of examinations through the Academic Council with the approval of Governing Body.