

B. Arch. Regulations

(Applicable for batches joined in 2003 and onwards)



NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI – 620 015
TAMILNADU, INDIA.

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(Applicable for batches joined in 2003 and onwards)

B.1 QUALIFICATION FOR ADMISSION

- i). Candidates for admission to the first year of the B.Arch. degree programme shall be required to have passed the Higher Secondary Examination (Academic stream) with subjects of study prescribed by council of Architecture or any Examination recognized as equivalent.
- ii). The selection will be based on the ranking obtained by the candidate in the All India Engineering Entrance Examinations (AIEEE) – Aptitude Test for Architecture.
- iii). Minimum marks required and age limit as per the criteria prescribed by the admitting authority.
- iv). The duration of the programme for the Degree of Bachelor of Architecture will be five academic years, with two semesters in each year. The duration of each semester will normally be 90 working days. However, a student may complete the programme at a slower pace by taking more time but not more than ten years.

B.2 STRUCTURE OF THE PROGRAMME

- (a). The programme of instruction will consist of:
 - i). General core courses comprising of English, Architectural Structures.
 - ii). An Architecture Core Programme introducing the students to the various aspects of architecture, comprising Building Construction & Materials, Building Services etc. including Basic & Architectural design / Architectural design.
 - iii). An Elective Programme enabling the student to take up a group of courses of interest to him/her.
 - iv). A Professional Training Programme in the VII semester to expose the students to the practical aspects of Architectural Profession.
 - v). Dissertation in the X semester
 - vi). Educational Tours organized by the Department of Architecture
 - vii). In addition, a student should satisfactorily complete the prescribed NCC/NSS/NSO Programme.
- (b). Each course is normally assigned a certain number of credits as follows:
 - i). 1 credit per lecture period per week
 - ii). 1 credit per tutorial period per week
 - iii). 2 credits per 2 or 3 periods of Studio Work / Laboratory Practice / Dissertation Session per week
- (c). The curriculum for the programme of study will be designed with a total credit of 214.
- (d). At least five Elective courses may be offered during V – VIII semesters.
For the entire programme, a candidate may be permitted to take a maximum of 2 electives from allied and other Department elective courses.
- (e). Professional Training

The students should undergo professional training for a minimum period of 1 semester during the first semester of IV year in an Architectural firm / Organization, approved by the Department of Architecture.

(f). NCC/NSS/NSO TRAINING

NCC/NSS/NSO training is compulsory for all the Undergraduate students:

- i. The activities will include Practical / field activities / Extension lectures.
- ii. The activities shall be carried out outside class hours
- iii. The student participation shall be for a minimum period of 45 hours per semester during the first year.
- iv. The activities will be monitored by the respective faculty in charge and the First Semester Coordinator.
- v. Grades will be awarded on the basis of participation, attendance, performance and behavior. Grades shall be entered in the mark statement as given below:

- VERY GOOD
- GOOD
- SATISFACTORY
- UNSTATISFACTORY

- (g). If a candidate gets an unsatisfactory Grade, he/she has to repeat the above Programme in the subsequent years, along with the first year students.
- (h). The Grades awarded by the Faculty in-charge shall be entered in the 2nd Semester Mark Statement.
- (i). A student who has not completed the NCC / NSO / NSS requirements in first four Semesters will not be permitted to continue the B.Arch. programme.

B.3 REGISTRATION AND ENROLMENT

- (a). Except for the first semester, registration of a semester will be done during a specified week before the end semester examination of the previous semester. Late registration / enrolment will be permitted with a fine of Rs.250/- up to two weeks from the last date specified for registration.
- (b). A student will be eligible for enrolment only if he / she has cleared all the dues to the Institute, Hostel, Library and the NCC Unit up to the end of the previous semester, provided he is not debarred for enrolment by a disciplinary action of the Institute.
- (c). The registration sheet contains the course number, course name, number of credits and category for each course taken in that semester. The student makes the choice of courses in consultation with his Faculty Adviser.
- (d). The curriculum for any semester will carry credits between 12 and 24. If a student finds his / her load heavy in any semester, or for any other valid reason, he / she may drop courses within three weeks of the commencement of the semester but before commencement of first cycle test with the written approval of his / her Faculty Adviser & Head of the department.

B.4 FACULTY ADVISER

To help the students in planning their courses of study and for getting general advice regarding either the academic programme or any other activity, the Head of the Department will assign every year, a certain number of students from first semester to a faculty member who will be called as Faculty Adviser. The set of students thus assigned will continue to be under the guidance of this Faculty Adviser till they complete the degree programme.

B.5 ASSESSMENT PROCEDURE – TESTS AND EXAMINATIONS

- a. The subjects taught in the B.Arch. course are divided into three categories.
- i. Lecture based subjects (subjects taught through lectures – theory subjects)
 - ii. Lecture cum studio based subjects (subjects taught through lectures and studio work)
 - iii. Studio based subjects (subjects taught through studio work)
- b. In each theory course and in the theory portion of each theory and practical combined course, the assessment pattern will be as follows:

Assessment	Duration	Marks
A. Continuous Assessment		
I Cycle Test	1 hour	20
II Cycle Test	1 hour	20
Assignments		10
B. End Semester Examination	3 hours	50 Marks

Minimum of two assignments will be given in a semester. The submission schedule will be decided in the first class committee meeting.

- c. In practical portion of each theory and practical combined course, (English, and Energy Efficient Buildings) the assessment pattern will be as follows:

Assessment	Marks
A. Continuous Assessment	75
B. End Semester Examination	25

The assessment in laboratory course will be based on supervision of the student's work, their performance in viva-voce examinations and group discussions, the quality of their work as prescribed through laboratory manual and an end- semester test that contains an experiment and/or a written exam.

- d. For the theory and practical combined courses the percentage weightage between theory and practice will be based on the relative credits allotted for the theory (Lecture + Tutorial) and practice for that course.
- e. Assessment of Lecture cum Studio based subjects: Building Construction & Materials I to VI, Architectural Graphics – I to III and Computer Application in Architecture I&II.

Assessment	Duration	Marks
Continuous Assessment		
I Cycle Test	1 Hr	10
II Cycle Test	1 Hr	10
Projects – plates, class works, assignments & field exercises	-	30
End Semester Examination	3 Hrs	50

- f. Normally both question paper setting and valuation of answer papers for all the examinations shall be carried out by the teacher who has handled the course. However,

the Director will have the discretion to appoint any other teacher or external examiner for setting question papers and valuing answer scripts.

- g. Assessment of core studio subjects: Basic & Architectural Design – I & II, and Architectural Design – III to VIII.

(i) Continuous Assessment

1. Marks awarded by the teacher at various stages of the projects in the class and in Mid-term and End-Semester evaluation – 50%
2. Marks awarded by external examiner in mid-term evaluation (10%) and End Semester Evaluation (10%) -20%

(ii) End Semester Exam

End Semester Examination	Duration	Weightage
Basic & Architectural Design – I & II	6 hrs	30 %
Architectural Design – III & IV	12 hrs	30 %
Architectural Design – V to VIII	18 hrs	30 %

If a candidate fails to secure 50% marks in continuous assessment in the subjects Basic & Architectural Design – I & II and Architectural Design – III to VIII he/she shall not be allowed to appear for end semester examination of all courses and he/ she shall rejoin in the same semester when in session next.

If a candidate fails to secure a minimum of E grade in continuous assessment and end semester examination put together in the subjects Basic & Architectural Design – I & II and Architectural Design – III to VIII, he/she shall appear in the supplementary examination in subsequent semester. In such cases, the continuous assessment marks already secured by the candidate shall remain valid.

- h. Assessment of Studio Based Subjects: Visual Arts-I & II, Applied Visual Arts, Model Making, Vernacular Architecture, Graphic Design, Advanced Computer Applications, Painting, Interior Design, Environmental Control and Design Workshop and Landscape Design.

Evaluation shall be done only by continuous assessment and there is no end semester examination. Each student work is evaluated twice in a semester (Mid Term & End Semester) jointly by the subject teacher and external examiner. The percentage of marks awarded by the subject teacher is 70 % and the External Examiner is 30 %.

If a candidate fails to secure a minimum of E grade he/she shall register for the course when in session next and submit the plates/class works/assignments/field works as in the case of a regular candidate.

- i. Assessment of Professional Training

Each student on completion of Professional Training is required to submit a training report, training diary and drawings of the projects in which he / she is involved. A jury comprising of Head of the Department or his nominee and Co-ordinator of practical

training will examine the above said work submitted by each student and award grades. A candidate who gets F grade in Professional Training shall undergo Professional Training afresh after the completion of semester X and secure a minimum of E grade.

j. Assessment of Dissertation

In the X Semester a committee consisting of dissertation guides, coordinator (appointed by the Head of the Department) and Head of the Department assess the progress of each students work on the topic approved by the department, through four reviews conducted at regular intervals. External Examiner will participate in the last two reviews. The marks awarded in these reviews serve as continuous assessment marks and carry a weight age of 50 %.

At the end of the semester the final work of each student in the dissertation is assessed by a jury in a viva-voce examination. This viva-voce carries a weight age of 50 %. The jury shall comprise of respective dissertation Guide, Coordinator or Head of the Department and one or two external examiners decided by the dissertation committee.

If a candidate fails to secure 50% marks in continuous assessment in the dissertation he/she shall not be allowed to appear for the viva-voce examination and he/ she shall register for dissertation when in session next and attend the reviews of continuous assessment as in the case of a regular candidate.

If a candidate fails to secure a minimum of E grade in dissertation viva-voce examination, he/she shall rework/improve the Dissertation and resubmit the same in the supplementary examination. In such cases, the continuous assessment marks already secured by the candidate shall remain valid.

k. Retest

Students who are absent for cycle tests on genuine grounds (admission to hospital and reporting to the HOD concerned within two days of rejoining or representing the Institute with prior permission) can alone take the Retest with the permission of the HOD concerned. Retest can not be taken as an Improvement test. Retest will be conducted after the 2nd cycle test.

The portions for the Retest shall be the combined portions of I and II cycle tests and shall be conducted for 20 marks.

l. Supplementary Examinations

Supplementary examinations for failed candidates in any course will be conducted after the regular semester examinations. Students registering for supplementary examinations at the end of any semester should register for all the arrear subjects accumulated till the previous semester. Special supplementary examinations will be held for the II and X semester courses respectively during June / July of the first year end and fifth year end.

B.6 EDUCATIONAL TOUR

- a. Educational tour to be arranged by the Department of Architecture with out hampering the academic programme / schedule. Whenever educational tours are arranged, the students for whom such tour is arranged are required to undertake them with out fail.
- b. Two tours of a maximum of one week duration may be organized or a single tour of duration not exceeding 15 days may be organized in an academic year. Each tour shall be strictly confined to a particular region which shall be decided by the Department of Architecture.
- c. Such tours are required to be arranged as part of the Architectural Design subjects. Project work pertaining to Vernacular Architecture, Architectural Conservation, Landscape Design, etc., also be carried out in such tour.
- d. The students who have undertaken a tour are required to submit a tour report , within a stipulated time period , to the Department of Architecture. This report will be considered as a part of the course work of the above said subject / subjects.

B.7 CLASS COMMITTEE

- a. Constitution of the Class Committee

I to X semester class committees

Chairman

One senior faculty of the department, preferably not associated with the teaching of the class, to be nominated by the Head of the Department.

Members

- i. Faculty of all the courses of study
 - ii. Four student members from the class concerned to be nominated by the Head of the Department.
- b. Functions of the Class Committee

The class committee shall meet thrice during the semester. The first meeting will be held within two weeks from the date of commencement of the semester in which the nature and broad assessment procedure of the cycle tests as well as the submission schedule and broad assessment procedure for assignment, plates, lab and field exercises will be discussed. The second and third meetings will be held two weeks after the first and second cycle tests respectively to meaningfully interact and express opinions and suggestions to improve the effectiveness of teaching – learning process and analyses the performance of the students in the cycle tests. The chairman of the class committee should send the minutes of the class committee meetings to the Associate Dean (Academic-1) through the Head of the Department, immediately after the class committee meetings.

B.8 ELIGIBILITY FOR APPEARING IN SEMESTER EXAMINATION

- a. 100% attendance in the class is desirable for a candidate to be eligible to appear for the end semester examination in a course of any semester, provided there is no adverse reports regarding his/her conduct by the Head of the Department. However,

condonation for shortage of attendance up to 25% may be given on Medical grounds with a condonation fee as fixed by the Institute from time to time. Such students must submit to the HOD / I year Coordinator a medical certificate from the appropriate authority, within a week after they return to the Institute. Certificates submitted after the said period shall not be entertained on any account. On duty permission for a maximum of four days in semester, shall be granted for representing the Institute in approved extra curricular activities such as Sports, Games, Cultural meets, Seminar, Workshop, Conference and Interview arranged through Training & Placement Department. Prior permission is required for availing on duty permission.

The percentage of attendance calculated up to 3 days before the last working day, and the percentage will be indicated by a code number / letter as follows:

Attendance rounded to	Code
95% and above	H
85 to 94%	9
75 to 84%	8
Below 75%	L

A student who has an attendance lower than 75% attendance will not be permitted to sit for the end semester examination in the course in which the short fall exists. His/her registration for that course will be treated as cancelled and he/she shall be awarded 'U' grade (U stands for registration cancelled for want of attendance) in that subject. This grade shall appear in the grade card. If the course is core course, the student should register for and repeat that course as and when it is offered next.

- b. A candidates shall be eligible to appear for the end semester examination in any course of the semester only if the candidate has obtained a minimum of 50 % marks in the continuous assessment of the courses Basic & Architectural Design I & II and Architectural Design III to VIII as stated in B.5(g).
- c. A candidate shall be eligible to appear for the end semester ~~dissertation~~ viva-voce only if the candidate has obtained a minimum of 50 % in the continuous assessment as stated in B.5 (j).

B.9 WITHDRAWAL FROM EXAMINATION

A candidate may, for valid reasons and on the recommendation of the first year Coordinator / Head of the Department and with the approval of the Dean (Academic) will be permitted to withdraw from appearing for the entire Semester Examination, as one unit. Withdrawal application shall be valid only if it is made earlier than the commencement of the last examination pertaining to the semester. Such withdrawal shall be permitted only once during the entire course and shall not be construed as an appearance for the eligibility of a candidate for the award of classification (Rule B.18). If a candidate falls sick in the middle of the Semester Examinations, he/she can withdraw from one or more subjects.

B.10 TEMPORARY BREAK OF STUDY FROM THE PROGRAMME

A student may be permitted by the Dean (Academic) to withdraw from the programme for one year for reasons of ill-health or other valid reasons on the recommendation of

Head of the Department. Such a candidate on rejoining will be governed by the rules under section B.13 (b) & B.13 (c).

B.11 PERFORMANCE ANALYSIS COMMITTEE

The Performance Analysis Committee will consist of the same members as the class committee but including the Head of the Department and excluding the student members. An external member from an allied department has to be co-opted in the performance analysis committee. The meeting of the Performance Analysis Committee is to be held within seven days from the last day of the end semester examinations to analyze the performance of the students in all courses of study and finalize the grade ranges for each course and forward the statement of grades to Dean (Academic) immediately, through the Head of the Department. The PAC, by collective wisdom, should ensure that the clustering / grading / pass – fail decisions have been reasonably balanced.

The Dean (Academic) or duly authorized Associate Dean shall go through the statement of grades (and the attendance register). In case of any problem that can not be set right by the Dean (academic) then the Chairman, Senate is authorized to take appropriate action in this regard. The finalized list shall then be conveyed to the Chairperson, PAC. It is proposed that the Chairperson, PAC will then arrange to display a copy of the statement of grades in the departmental notice board. It is expected that the results could be displayed within a day from the date of the finalization of the grades. Finalization of grades for supplementary examinations shall be made by the HOD and the teacher concerned. The results of which shall also be arranged to be displayed in department notice board.

The attendance registers of all the courses with all the cycle test marks, assignment marks, end-semester marks, grades and grade-ranges entered in the register are also to be sent to Dean (Academic) immediately through the Head of the Department.

B.12 GRADING

- a. All assessment of a course will be done on mark basis. The concerned class teacher can suggest suitable grades based on clusters of the marks. The Performance Analysis Committee which shall meet within a week after the completion of all examinations, shall analyze the relative cumulative performance of students in all examinations (continuous and end-semester) of a course and finalize the letter grade ranges for the course.
- b. The letter grades and the corresponding grade points are as follows:

Letter Grade	S	A	B	C	D	E	F	U	W
Grade Points (GP)	10	9	8	7	6	5	0	0	0

Students scoring less than the passing minimum (decided on relative basis) marks shall be deemed to have failed and be given 'F' grade. The letter grade 'U' indicates prevention from appearing for Examination (due to shortage of attendance) and 'W' indicates the authorized withdrawal (Regulation B.9). A student having F grade need not redo the course, but can appear in the supplementary examination in the following semester. However, a student having U grade will necessarily redo the course, when it is offered again. The U grade once awarded stays in the record of the student and is deleted when he/she completes the subject later, indicating also the number of attempts made in that course. The CGPA will be

accordingly revised deleting the 'U' in the earlier attempts in that course. The grade acquired by the student later will be indicated in the grade card of the appropriate semester.

- c. A candidate who earns a minimum of 5 grade points in a course is declared to have successfully completed the course.

B.13 MOVEMENT TO HIGHER SEMESTER

- a. A candidate proceeding to the III Semester should satisfy the following condition: To move to the third semester a candidate should have earned a minimum of 12 credits in the first semester. Otherwise, the candidate has to join only in the first year. However, after satisfying this stipulated condition such candidates will be permitted to rejoin the Institute at the beginning of the Third Semester in a latter year along with the regular students.
- b. A candidate who is permitted to discontinue may rejoin the course at the appropriate semester only along with the regular students at the time of normal commencement of that semester.
- c. A candidate who discontinues and rejoins shall be governed by the rules, regulations, courses of study and syllabus in force, at the time of his/her rejoining the course.

B.14 REVALUATION OF ANSWER PAPERS

In case of any student feeling aggrieved over the valuation, he can contact the teacher concerned within three weeks from the commencement of the semester immediately following the announcement of the results. The student shall have access to his answer paper(s) in the end-semester examination which may be shown to him by the teacher(s) concerned. If the teacher feels that the case is genuine, the teacher may re-examine the case and forward a revised grade, if any, to the Dean of Academic courses through the Head of the Department and the performance analysis committee.

B.15 COURSE REPETITION

A student earned U grade in a core course has to repeat it compulsorily when the course is offered in a subsequent semester. A student securing F or U grade in an elective course, may change the elective course or repeat it if he so desires to get a successful grade. A course successfully completed cannot be repeated.

B.16 SUMMER-TERM COURSE

- a. A summer term course may be offered by a department on the recommendation of the Head of the Department and the faculty offering the course and with the approval of the Dean (Academic). An elective course may also be offered in summer.
- b. A summer term course is open only to those students who had taken the course earlier and had obtained an 'U' Grade.
- c. No student should register for more than two courses during a summer term.
- d. Summer term courses will be announced by the Dean (Academic) at the end of the even semester before the commencement of the end semester examinations. A student will have to register within the time stipulated in the announcement by paying the prescribed fees.
- e. The number of contact hours in any summer term course will be the same as in the regular semester course. The assessment procedure in a summer term course will also

be similar to the procedure for a regular semester course.

- f. Withdrawal from a summer term course is not permitted. No supplementary examination will be given for a summer term course.

B.17 GRADE CARDS

- a. After the results are declared, Grade Cards will be issued to each candidate which will contain the list of courses for that semester and the grades obtained by the candidate.
- b. The Grade Point Average (GPA) for each semester will be calculated only for those students who have passed all the subjects of that semester. Similarly Cumulative Grade Point Average (CGPA) upto any semester will be calculated only for those students who have passed all the subjects up to that semester. GPA is the ratio of the sum of the products of the number of credits of a course (C_i) and the grade points scored in that course (GP_i), taken for all the courses, to the sum of the number of credits of all the courses (n) in the semester.

$$GPA = \frac{\sum_1^n C_i * GP_i}{\sum_1^n C_i}$$

where n is the number of courses in that semester.

- c. On successful completion of the programme, the CGPA will be calculated as follows:

$$CGPA = \frac{\sum_1^N C_i * GP_i}{\sum_1^N C_i}$$

where C_i is the credit and GP_i is the grade point obtained by the candidate and N is the total number of courses for the entire programme.

B.18 CLASSIFICATION

After successful completion of the programme, degree will be awarded as per the following classifications based on the CGPA.

1. Candidates who successfully complete the programme within ten consecutive semesters getting a CGPA of 8.5 and above, passing all the courses in the first appearance will be declared to have passed in first class with distinction. For this purpose, withdrawal from examination (vide regulation B.9) and authorized break of study (vide regulation B.10) will not be counted.
2. Candidates who get a CGPA of 6.5 and above, but below 8.5 and who complete the course within 11 semesters plus authorized break, (vide regulation B.10) will be declared to have passed in first class.
3. Candidates who get a CGPA of below 6.5 and who complete the course within the maximum prescribed period after joining the Institute will be declared to have passed in second class.

B.19 CONSOLIDATED STATEMENT OF GRADES

A student should have appeared for the semester examination in any particular subject (mere appearance for the continuous assessment tests is not sufficient) to be eligible for the award of the grade in the subject. At the end of the programme, all successful

candidates (vide regulation B.20) will be furnished with a consolidated statement of grades which will contain the following particulars:

1. Grades in the subjects of all the semesters
2. CGPA
3. Classification (First class with Distinction/First class/Second class (vide regulation B.18))

B.20 ELIGIBILITY FOR THE DEGREE

A candidate shall be eligible for the award of the degree of the Bachelor of Architecture (B.Arch.) only if the candidate:

1. Has undergone the prescribed programme of study by earning the minimum total number of credits specified in the curriculum of the relevant programme of study within a maximum duration of 10 years.
2. Has no dues to the Institution, Library, Hostels, etc.
3. Has no disciplinary action pending against him/her.

B.21 ATTENDANCE, DISCIPLINARY & GRIEVANCE COMMITTEE

This Committee is constituted for the smooth functioning of the various autonomous Under-graduate Programmes of the Institute and it consists of the following members:

Dean (Academic)	Convener
Dean (Students)	Member
Associate Dean (Academic-1)	Member
Respective Head of the Department / First Year Coordinator	Member

This Committee will be looking into

1. The matters relating to condonation of attendance shortages of candidates.
2. All grievances and disciplinary problems of the students relating to malpractices in tests and end-semester examinations etc.

The Committee will meet as and when necessary and send the recommendations to the Senate for consideration / ratification / approval.

B.22 REVISION OF REGULATIONS AND CURRICULUM

The Senate may from time to time revise, amend or alter the regulations, courses of study and syllabus as and when found necessary. Any other relevant rules needing urgent revisions can be framed and implemented by the Director/Chairman of the Senate and ratified in the subsequent Senate meeting. In case of difference of opinion regarding the interpretation of any of the regulations, the decision of the chairman of the Senate shall be final.

B.23 POWER TO MODIFY

Notwithstanding all that has been stated above, the Senate has the right to modify any of the above rules and regulations from time to time.



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