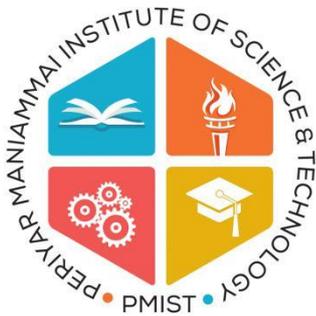


Periyar Maniammai Institute of Science and Technology (PMIST)



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY

(Deemed to be University)

Established Under Sec. 3 of UGC Act, 1956 • NAAC Accredited

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B.Arch. Regulation 2020

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DEPARTMENT OF ARCHITECTURE

UNDERGRADUATE PROGRAMME

(These Rules and Regulations are applicable to the students admitted to the Department of **Architecture, Faculty of Architecture and Planning** of this **Institution** from the academic year 2020 onwards).

1. Admission & Eligibility

The Institutions shall admit candidates who qualify National Aptitude Test in Architecture (NATA) or any aptitude test in Architecture, drawn on the pattern prescribed in these standards, conducted by a competent authority of the Central Government or the respective State Government in the country. The Institutions / Competent Authorities dealing with admission of candidates to the 1st year of 5-year B.Arch., Degree course shall follow the eligibility criteria and Admission Norms prescribed as follows.

- 1.1 No candidate shall be admitted to architecture program unless she/ he has passed: An examination at the end of the 10+2 scheme of examination with at least 50% aggregate marks in Physics, Chemistry and Mathematics and also at least 50% marks in aggregate of the 10+2 level examination.

OR

10+3 Diploma Examination with Mathematics as compulsory subject, with at least 50% marks in aggregate.

- 1.2 The Institution shall follow the reservation policy of respective Government in granting relaxation in percentage of marks obtained in the qualifying examination for admission in the institutions. However, no relaxation is applicable for qualifying the Aptitude Test in Architecture.

- 1.3 The Institution shall give weightage of 50% marks for Aptitude Test and 50% marks in the qualifying examination in the matter of admissions.

- 1.4 The eligibility criteria such as marks, number of attempts and physical fitness shall be as prescribed by the Board of Management of the Institution from time to time.

- 1.5 A unique Student Enrolment Number shall be issued by the Council to a student admitted to Architecture Degree program, upon being notified by the institution, provided all eligibility norms for admission as prescribed by the Council are satisfied.

1.6 Transfers from other Institution

A candidate can join from any other Universities in the beginning of any semester, subject to the recommendations of Equivalence Committee and approval of Competent Authority of the Institution. However, no standing arrear should be there.

2. Duration of the programme

The duration of B.Arch. programme will be five years, divided into ten semesters. The duration of each semester will be 90 teaching days. A student is ordinarily expected to complete the B.Arch programme in 10 semesters (Five academic years) but in any case not more than 16 Semesters. As per Institution norms 7 years (+1 in exceptional cases)

3. Preliminary definitions and nomenclatures

In these Regulations, unless the context otherwise requires:

- I) **“Programme”** means B. Arch Degree Programme.
- II) **“Course”** means a theory, theory cum studio or studio subject that is normally studied in a semester, like History of Architecture, Building Construction, Architectural Design, etc.
- III) **FAP means** Faculty of Architecture And Planning
- IV) **DEAN FAP** means the authority of the school who is responsible for all academic activities and implementation of relevant rules of these Regulations.
- V) **“HOD”** means Head of the Department of Architecture. He / She will be responsible for implementation of relevant rules of these Regulations.
- VI) **“COE”** means the Controller of Examinations having Authority of the Institution and who is responsible for all activities of the Institution Examinations.
- VII) **“DEAN (Academic)”** means the authority of the Institution who is responsible for all academic activities and implementation of relevant rules of the Regulations.

4. Structure of the programme

4.1 The B. Arch Programme will have a curriculum with syllabi consisting of courses with total credits of 250 such as:

- a. Professional Core Courses (PC) : 61.2%
- b. Building Science and Applied Engineering (BS& AE) : 19.2 %
- c. Elective Courses
 - i. Professional Electives (PE) :6%
 - ii Open Electives (OE) : 1.2%
- d. Professional Ability Enhancement Compulsory Courses (PAECC) : 8.4%
- e. Skill Enhancement Courses (SEC) : 4%
- f. A student shall be permitted to enroll for any one online certified course with the prior approval of the competent authorities of the Institution. Such courses shall be considered equivalent to one Elective course.
- g. It is mandatory for a student to make one presentation and publish at least two number of research articles (1 paper in National/International Journal and 1 in National or International Conference) article during their study period.
- h. The students may optionally undergo Value Added Courses and the credits earned in these shall not be credit requirement prescribed in the curriculum for the award of the degree.

Note: Open Elective mean Courses approved by the Institution from subjects of study other than Architecture which will add value to the program and enable the overall development of the student

4.2 The medium of instruction is English for all courses, design studios, seminar presentations and project/thesis reports.

4.3 While calculating credits the following guide lines shall be adopted

Contact period per week	CREDITS
1 lecture	1
2 tutorial	1
2 studio	1.5

5.Pre-Requisite

Where a prerequisite is specified for a course, the student should have taken that prerequisite course.

6. Outcome Based Education (OBE)&Choice Based Credit System (CBCS)

Outcome based Education (OBE) is followed where teaching learning and assessment are based on outcomes which should be achieved by a student. The outcomes are defined in such a way that a student is able to master in knowledge, skill and attitude. In addition, Choice Based Credit System is available which enables the student to choose few courses such as professional electives of her/his choice.

7. Requirements for completion of a semester

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

Attendance requirement:

1. The minimum attendance required for appearing in the formative assessment CA1 and CA2 is 65%.
2. Maximum of five marks is allotted for attendance as one of the component in CA3

Percentage of Attendance	76-81	82-87	88-93	94-99	100
Marks	1	2	3	4	5

3.Minimum attendance requirement to appear in the Summative Examinations

1	Overall 75% and course wise 75% and above	Eligibility to write all examinations.
2	Overall 65% and above but below Overall 75%	Shortage of attendance is to be condoned on medical grounds with proper documents. Condonation fee of Rs.300/- per course is to be paid by the students. <i>Medical reasons – Granting of permission on production of all the necessary medical documents (like hospitalization, medical problem, treatment, Medical bills etc) and medical certificate from a registered medical practitioner not below the rank of a Civil assistant surgeon.</i>

3	If the percentage of attendance is less than 75% and above 65% (overall attendance)	She /he has to appear for the supplementary exam after gaining the required attendance.
4	Below Less than 65%(all courses put together)	Then the student will be categorized under “Redo candidate”.

4. The minimum percentage of attendance required to appear for the end semester examinations is 75% (course wise).
5. If the percentage of attendance is between 65% and below 75% for the individual courses due to medical reasons; then the student is eligible to apply for condonation with a prescribed fee of Rs. 300/ per course and also to produce a medical certificate from a registered medical practitioner not below the rank of a Civil Assistant Surgeon
6. If the percentage of attendance is less than 75% and above 65% (overall attendance), she /he has to appear for the exam as supplementary after gaining the required attendance.
7. If the percentage of attendance is less than 65% (all courses put together) then the student will be categorized under “Redo candidate”.
8. For calculating the percentage of attendance; following norms are framed: For CA1 – From the reopening date to the day before CA1 examination For CA2 – From starting date of CA1 – the day before the CA2 examination For End semester – From starting date to last working day.
9. If a student falls under Redo category, while rejoining he/she has to again pay the prescribed semester fees along with re-registration fees (Rs.500/-).

Special Exams: Participation on behalf of Institution in curriculum / Sports Event correlated work or any other activity as recommended by the HOD/Authorities. This is applicable for all exams.

The following letter grade will appear in the mark sheet for every course for the attendance gained in that course.

Performance	Letter Grade	% of Attendance
Outstanding	O	$\geq 95\%$
Medium	M	$\geq 85\%$ and $< 95\%$
Satisfactory	S	$\geq 75\%$ and $< 85\%$

8. Examination and Assessment

8.1 Question pattern

THEORY COURSES			
Continuous Assessment I and II			
MCQ - 10	10 x 1	= 10	Compulsory
2 marks - 5	5 x 2	= 10	Compulsory
15 marks - 2	2 x 15	= 30	Either Or

Total 50 Marks			2 Hours
End Semester			
MCQ- 10	10 x 1	= 10	Compulsory
2 marks – 5	5 x 2	=10	Compulsory
15 marks – 4	4 x15	= 60	Either Or
20 marks – 1	1x20	= 20	Compulsory
Total 100 Marks			3 Hours

THEORY CUM STUDIO COURSES			
Continuous Assessment I and II			
4 marks – 5	5 x 4	=20	Compulsory
15 marks – 2	2 x15	=30	Either Or
Total 50 Marks			2 Hours
End Semester			
4 marks – 10	10 x 4	=40	Compulsory
20 marks – 2	2 x 20	= 40	Either Or
20 marks – 1	1 x 20	= 20	Compulsory
Total 100 Marks			3 Hours

8.2 Scheme of valuation

8.2.1 Theory Courses:

Formative Assessment

Continuous Int. Assessment

Weightage

- 50 %

Continual Assessment 1

- 15%

Continual Assessment 2

- 15%

Continual Assessment 3

- 20%

Summative Assessment

End semester examination

- 50 %

8.2.2 Theory Cum Studio Courses:

Formative Assessment

Continuous Int. Assessment

- 50%

Continual Assessment 1

- 10%

Continual Assessment 2

- 10%

Continual Assessment 3

- 30%

Summative Assessment

End semester examination

- 50%

8.2.3 Studio Courses:

Mid Semester Assessment/Review-I(Project- I)

- 50%

Formative Assessment

- 30%

Internal Review 1

- 10%

Internal Review 2

- 10%

Internal Review 3	- 10%
Summative Assessment	- 20%
(External Viva voce - Project –I)	
End Semester Assessment/Review-II (Project- II)	- 50%
Formative Assessment	- 30%
Internal Review 1	- 10%
Internal Review 2	- 10%
Internal Review 3	- 10%
Summative Assessment	- 20%
(External Viva voce - Project –II)	

8.2.4 Working drawing:	Weightage
Mid Semester Assessment/Review-I	- 50%
Formative Assessment	- 30%
Summative Assessment	- 20%
(External Viva voce)	
End Semester Assessment/Review-II	- 50%
Formative Assessment	- 30%
Summative Assessment	- 20%
(External Viva voce)	

8.2.5 Practical Training

Works carried out by the students at the chosen architects office would be evaluated by the panel which consists of an external examiner and an internal examiner, at the end of the semester. Continual assessment will be done on the monthly progress of students by the panel of internal examiners on every month.

Evaluation Procedure:	Weightage
Formative Assessment	
Continual Assessment:	- 60 %
Monthly progress	- 20 %
Participation/Attendance	- 20 %
Viva voce Internal Assessment	- 20 %
Summative Assessment	
End Assessment:	- 40 %
Training report	- 10 %
Viva voce (External Assessment)	- 20 %
Drawing exam	- 10 %

8.2.6 Dissertation

Individual research study done by the students on their chosen area of interest for a duration of 150 hours during the IX semester. Three periodical internal reviews and one final viva voce will be conducted for assessing the dissertation work.

Evaluation Procedure:	Weightage
Formative Assessment	
Periodical reviews	- 60%
Internal Review 1	- 20 %
Internal Review 2	- 20 %
Internal Review 3	- 20 %

Summative Assessment

End evaluation	-	40 %
Viva-voce (External)	-	40 %

8.2.7 Thesis

Individual work done by the students on their chosen area of interest for one full semester during the X semester. Four periodical reviews (once in 20 days) by the panel of evaluators (one academician and one practicing architect) and one final viva voce after 90 days.

Evaluation Procedure:	Weightage
Periodical reviews	- 60%
Review 1	- 15 %
Review 2	- 15 %
Review 3	- 15 %
Review 4	- 15 %
End evaluation	- 40 %
Viva-voce (External)	- 40 %

8.3 Practical Training

8.3.1 Every candidate shall undergo practical training during 8th semester of the Architecture Degree program for a period of one semester in the office of an architect or an organization 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. Students can undergo training in India as well as abroad with the approval of HOD & DEAN of the Faculty. However the architect must be registered with the Council of Architecture with a minimum of 5 years professional standing, in case of India or registered with the respective regulatory body of the concerned country.

8.3.2 Ideally every candidate is required to undertake the entire duration of practical training in a single architectural office. However, under unforeseen circumstances, if the candidate wishes to change her/ his place of practical training she / he shall be allowed to do so only once after obtaining written permission from the competent authority, provide the candidate satisfies a minimum of 30 days practical training in any one of the offices.

8.3.3 Practical Training shall commence on the reopening day of the respective semester and conclude on the last working day of that semester as per the academic schedule of the Institution.

9 PASSING REQUIREMENTS

9.1 Passing Minimum

- There is no passing minimum for FA. However, a student must secure:
 - Minimum 40% in SA (includes Theory cum Lab) and 50% in total (overall)
- Students are permitted to appear for the supplementary examinations both during odd and even semester

9.2 A candidate shall not be permitted to enroll for the Architectural Design course in a semester unless she/ he have completed the Basic Design/Architectural Design course of the previous semester.

THESIS

9.3 Practical Training shall be completed before the commencement of Architectural Design Thesis.

9.4 If a candidate does not obtain 50% of the marks prescribed for the formative assessment she / he shall not be permitted to submit the thesis and take the Viva–Voce examination. She / he shall re-enroll for the course when the course is offered next and shall register and reappear for the Viva Voce examination in that Course till She / He secures a pass.

9.5 A Candidate who secures not less than 50% of total marks prescribed with a minimum of 50% of the marks prescribed for the Viva Voce examination shall be declared to have passed in the examination.

9.6 If a candidate does not secure 50% of the marks in the Viva Voce examination and therefore fails to secure a pass he/she shall resubmit the thesis within 30 days of the declaration of results and appear for the supplementary Viva–Voce examination, provided for the candidate doesn't have standing arrears. However, the internal assessment marks obtained by the candidate shall be the same and considered valid for the supplementary Viva Voce examination.

9.7 If a candidate fails to secure a pass in the Thesis, he/she may re-register from the third attempt onwards and secure fresh internal marks and appear for Viva Voce examination.

10. Formative assessment : provision for improvement

All components pertaining to formative assessment will be offered. A student can take all or a few assessments. The assessment will take place from 4th week of the semester by paying Rs.100 as exam fee along with the consent of respective HoD. The reassessment will be conducted at the Department level, wherein HoD will act as the Chairperson. This improvement provision is not applicable for the current semester courses.

11. Requirements for moving to a higher semester

11.1 A candidate of the B.Arch. degree shall move to the higher semester if she/he satisfies the following conditions. To move to:

Semester	Prerequisite	Remarks
II	Basic design	Passing is mandatory
III	Architectural design –I	
IV	Architectural design- II	
V	Architectural design –III	
VI	Architectural design- IV	
VII	Architectural design –V	
VIII	Practical training	
IX	Architectural design –VI	
X	Architectural design –VII	

11.2 A candidate who had not secured 50% marks in the external viva voce in the studio based course shall apply for fast track supplementary exam within 10 days from the date of declaration of results and reappear for external viva voce within 30 days by paying a condonation fee of Rs.1000/-. However the internal marks remain unaltered as in the first appearance.

12. Supplementary examinations

12.1 The students who have not secured minimum marks to pass the course have to reappear for the supplementary exams in the subsequent semester.

12.2 Students who have not passed formative assessment under OBE scheme has to retake those assessments.

12.2.1 All components pertaining to formative assessment, for example CA1, CA2, CA3,..etc. will be offered. A student can take all or few assessments. The assessment will take place from week 4 of the semester.

13. Awarding grades

13.1 The Institution follows absolute grading system

Grade Versus Marks distribution

Grade Letter	Grade Point	Performance	Actual Marks
O	10	Outstanding	$A \geq 91$
A+	9	Excellent	$81 \leq A < 91$
A	8	Very Good	$71 \leq A < 81$
B+	7	Good	$61 \leq A < 71$
B	6	Above Average	$55 \leq A < 61$
C	5	Pass	$50 \leq A < 55$
U	0	Reappear/Absent	$A < 50$
W	0	Withdrawal	

13.2 CGPA to % conversion is multiplication of CGPA with 10.

14. Minimum Requirements of marks for passing a course

Type of Assessment	Architecture
	UG B.Arch Programme
Formative	There is no passing minimum for FA
Summative	40%
Total= Formative + Summative	50%

15. Calculation of grade points

Institution uses Grade Point Average (GPA), an internationally recognized calculation which is used to find the average result of all grades achieved.

The GPA is calculated by taking the sum of the products of grade points with the corresponding credit earned by the student divided by sum of credits. The formula for calculating GPA is given in equation (1).

$$GPA = \frac{\sum_i C_{ni} G_{ni}}{\sum_i C_{ni}} \quad (1)$$

Cumulative Grade Point Average is a calculation of the average of all student's grades for all subjects completed so far. The formula for calculating CGPA is given in equation (2).

$$CGPA = \frac{\sum_n \sum_i C_{ni} G_{ni}}{\sum_n \sum_i C_{ni}} \quad (2)$$

Where C denotes subject G denotes grade point n denotes semester number and i denotes subject number.

16. Revaluation

- 16.1 Candidates who wish to apply for revaluation should first apply for photocopy of her/his answer script in the prescribed format through the head of the department and dean of school to the Controller of Examination by paying Rs 400/- (Rupees Four Hundred only) per script within 10 days after the result is declared.
- 16.2 After receiving the photocopy, the student can verify the copy for any discrepancy like total mistake and omission in the valuation.
- 16.3 If any discrepancy is noticed the same may be brought to the notice of the Controller of Examinations for remedial action.
- 16.4 The valuation in the photocopy of the answer script can also be verified by the subject expert and if the expert is convinced that the script is deserves higher marks than awarded. She/he can recommend for Applying revaluation.
- 16.5 The student can apply for revaluation in the prescribed form by paying Rs 300/- (Rupees Three Hundred Only) per script towards revaluation fee within 15 days after the result is declared by submitting revaluation form duly signed by Head of the Department and Dean of School.

17. Classification of degree

A student is eligible for award of degree in B.Arch programme if he/she earns the minimum number of credits prescribed by the course curriculum within permitted duration of the programme.

Classification	CGPA	Remarks
First Class with Honors	CGPA 9.0 and above	All the criteria as mentioned in First class with distinction are applicable. In addition to that, the student has to earn extra 10 credits (Minimum three courses) through MOOC/SWAYAM (Study web of active –learning for young aspiring minds)

		<p>platform/minor course /research paper/patents. The additional courses may be taken in their V, VI, VII and IX semesters for B.Arch.</p> <p>Note: Should earn minimum 9 credits through MOOC courses and 1 credit through paper publications and patents</p> <p>provision of extra credits for the research papers and patents published/registered by the students :</p> <p>For every research paper published in Science Citation Index Journals one credit may be awarded. Similarly, two credits may be awarded for an IPR through Indian Government Patent Office. In case of other papers or patents, the worthiness will be decided by the Dean (Academics), Dean (Research) and an expert from the field of work. The decision taken by the above team will be final. The credits earned by a student by this provision can be used to claim waiver against the credits fixed for Honors/Minor Courses</p>
First Class with Distinction	CGPA 7.50 and above	All the courses are to be passed in first attempt. Maximum number of courses which can be withdrawn is three and withdrawal considered for only one semester of the programme.
First Class	CGPA 6.0 and above	CGPA 6.00 (in any attempt) and above in $n + 1$ consecutive years where n is the number of years for a programme
Second class	CGPA Less than 6.0	

18. Identification and support for slow medium and advanced learners.

18.1 Advanced learners, slow learners and medium learners are identified based on CGPA

Category	CGPA
Advanced learners	7.5 and above
Medium learners	Above 6 and below 7.5
Slow learners	Less than 6

18.2 The advanced learners (3rd year /5th semester onwards) are provided with opportunities of working with faculty in research activities and publication of papers. By this, the advanced learners will be motivated to do research oriented thesis projects during their 10th semester.

18.3 Medium learners and slow learners of 3rd year are given special coaching/tutorial classes for the courses which they are currently undergoing.

19 Presentation and publishing of research articles

In order to motivate the students towards research, it is proposed that students should make presentation and publish research articles during their study period. It is made mandatory for the award of the degree and is applicable for students admitted from the academic year 2017-18 onwards.

a. B.Arch/Five year integrated – 2 articles (1 paper in National/International Journal and 1 in National or International Conference)

20. Rules for withdrawal from programme

A student can withdraw from a course temporarily or permanently due to whatsoever reasons. In that case she/he can rejoin the course if he/she has temporarily withdrawn from a course. However the maximum number of years to complete the course is nine.

21. Site / Field Visit

Every student shall undergo at least one site / field visit for every course offered. Every teacher shall take the students for at least one site/ field visit in a semester.

22. Educational Tour

Every student shall undergo **one** educational tour and one rural visit compulsorily and other study visits arranged during the course of the B. Arch degree programme.

23. Discipline

Every student is required to observe disciplined and decorous behavior both inside and outside the institution and not to indulge in any activity which will tend to bring down the prestige of the institution. In case of any violation of decorous behavior, then a committee shall be formulated by the institution to take necessary actions.

24. Revision of Regulation, Curriculum and Syllabus

The institution may from time to time revise, amend or change the Regulations, scheme of examinations and syllabi if found necessary.