



UNIVERSITY OF CALICUT

Abstract

Faculty of Engineering-B.Arch programme-Revised regulation , Curriculum and syllabus for Combined First and Second semester B.Arch Programme with effect from 2022 admission-Implemented subject to ratification by the Academic Council - Orders issued.

G & A - IV - E

U.O.No. 20254/2022/Admn

Dated, Calicut University.P.O, 27.10.2022

- Read:-*1. Item No.1 of the Minutes of the meeting of the Board of Studies in Architecture held on 01.10.2022.
2. Email dtd:22.10.2022 received from the Dean, Faculty of Engineering.
3. Orders of Vice Chancellor in the file even no dated:25.10.2022.

ORDER

1. As per paper read as (1), the Board of Studies in Architecture discussed and scrutinised the B.Arch course Regulation 2022 in detail and approved the same with modifications. The Board also approved the Curriculum and Syllabus for Combined First and Second semester B.Arch Programme with effect from 2022 admission.
2. The above resolution of the Board of Study in Architecture was approved by the Dean, Faculty of Engineering vide paper read as (2).
3. Considering the urgency in implementation of the Revised Regulations, Curriculum and the Syllabus for Combined First and Second semester B.Arch Programme with effect from 2022 admission, sanction has been accorded by the Vice Chancellor on 25.10.2022 to implement the Revised Regulations, Curriculum and the Syllabus for Combined First and Second semester B.Arch Programme with effect from 2022 admission subject to ratification by the Academic Council.
4. The Revised Regulations, Curriculum and the Syllabus for Combined First and Second semester B.Arch Programme with effect from 2022 admission is therefore implemented, subject to ratification by the Academic Council.
5. Orders are issued accordingly. (Regulation and syllabus appended)

Ajitha P.P

Joint Registrar

To

1. The Principals of affiliated Architecture Colleges.
 2. The Controller of Examinations, Pareeksha Bhavan.
 3. The Deputy Registrar, B.Tech Branch Pareeksha Bhavan.
- Copy to:PS to VC/PA to PVC/PA to Registrar/PA to CE/DR,B.Tech/GA

IF/Enquiry/SF/DF/FC

Forwarded / By Order

Section Officer

University of Calicut

Regulations

of

B.Arch. Degree Course

(With effect from 2022 admissions)

PREAMBLE

These regulations may be called the University of Calicut (hereafter, the University, unless otherwise specified) Academic Regulations for B. Arch. 2022 Scheme. Architectural education in India is regulated by the Council of Architecture (hereafter, the COA, unless otherwise specified) which was constituted under the Architect's Act 1972. The CoA prescribes the mandatory minimum standards of Architectural Education regulations from time to time under the provisions of the Architects Act. It prescribes the structure of the B. Arch. Course, eligibility for admission of students, conduct of examinations etc. The regulations of B. Arch. Degree course (2022 Scheme) of the University have been formulated based on the COA (Minimum standards of Architectural Education) Regulations, 2020. These regulations shall be applicable for students admitted for the B. Arch. Course under the University from 2022 onwards.

The University has the right to modify the regulations from time to time. In all matters related to the regulations, the decision of the University and its interpretation given by the Academic Council shall be final and binding.

1. ADMISSION

Admission policy, eligibility for admission and admission procedure shall be decided by the University and the competent statutory authority for admissions from time to time. The amendments in qualifications/eligibility criteria for admission as notified by the COA from time to time shall also be applicable for the admission to B. Arch Degree Course.

All Admissions to B.Arch. degree course shall be subject to passing of National Aptitude Test in Architecture (NATA) conducted by the COA (as per the guidelines of COA, India) or any specially designed aptitude test in architecture conducted by the competent authority of the Central/State Governments as approved by the COA from time to time.

For admissions for the B. Arch course, 50% weightage shall be given to the aptitude test and 50% weightage to the qualifying examination.

There is no provision for lateral admission to the second year or at any stage for the 5-year degree course in Architecture (B. Arch.).

A candidate who has a diploma in architecture/engineering awarded by the State Board of Technical Examination or an examination recognized equivalent by the State Board of Technical Education with Mathematics as a compulsory subject after undergoing regular course of 3 years in an approved institute, securing at least 50% aggregate marks, shall be eligible to be admitted to the first year B.Arch. Programme of the University.

Candidates with International Baccalaureate Diploma, after 10 years of schooling, with not less than 50% marks in aggregate and with Mathematics as a compulsory subject of examination are also eligible.

Diploma holders from other states shall produce an Equivalence certificate from the Controller of Technical Exams, Kerala/State Board of Technical Examinations for admission to B. Arch. Course.

A relaxation of 5% marks in the qualifying examination shall be allowed to those candidates who belong to the communities listed under the Socially and Educationally Backward Classes (SEBC) and whose annual family income is up to the specified limit. SC/ST candidates need only a pass in the qualifying examination.

Criteria for selection and method of admission to merit/management seats for B. Arch. Degree course conducted by Government/Aided/Self-financing colleges affiliated to the University shall be governed by the rules/regulations framed by the Commissioner of Entrance Examinations or other competent authority appointed by the Government of Kerala, in consultation with the University and without contravening with the stipulation of the University Grants Commission (UGC) and the COA. The students admitted by affiliated colleges violating the above regulations will not be eligible for registration to University Examinations and contravention of the regulations shall lead to withdrawal/suspension of affiliation. They shall also satisfy the conditions regarding age and physical fitness as prescribed by the University.

2. STRUCTURE OF THE COURSE

The B.Arch. Degree Course will have a curriculum in conformity with the minimum standards of Architectural Education prescribed by the COA, constituted under the Architect's Act 1972, with syllabi consisting of theory, theory cum studio and studio subjects that shall be categorized as follows:

- a. **Professional Core (PC) Courses:** These are subjects to be compulsorily studied by the student as core requirement. Studio based design skill development subjects like Basic Design, Architectural Design, Architectural Thesis etc. come under this category.
- b. **Building Science and applied Engineering (BS & AE) Courses:** Courses that inform the professional core courses and should be studied compulsorily. Subjects like Building Construction, Mechanics, Building Services etc. come under this category.
- c. **Elective Course:** Courses that can be chosen from a pool of courses.
- d. **Professional Ability enhancement courses (PE):** These include courses like Project Management, Professional practice, Practical Training etc.
- e. **Skill Enhancement Courses (SE):** These are courses like, Computer aided design, Building Information modeling etc.

All students shall choose two elective subjects; one each in the eighth and ninth semesters from a set of elective subjects prescribed in the syllabus and offered by the institution. There should be at least 25% students of the class/batch for an elective subject to be offered.

New electives may be introduced according to the needs of emerging fields in architecture. The name of the elective and its syllabus should be approved by the University before the subject is offered as an elective.

The subjects of study, both theory and practical, shall be in accordance with the prescribed scheme and syllabi.

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

3. DURATION OF THE COURSE

The course for the B. Arch. Degree shall extend over a period of five academic years comprising of ten semesters including one semester of Practical Training after the completion of the 6th semester and one semester of Architectural Thesis Project work after the completion of the 9th semester. The maximum duration permissible for taking the B. Arch. Degree course is fixed as 10 years.

Admission to the first year shall be completed by 31st August or as specified by the COA. The first and second semesters shall be combined and the S1 & S2 B. Arch. Examination shall be conducted at the end of the first academic year.

The minimum number of working days in combined first and second semesters shall be 150 days. In the 3rd to 10th semesters, there shall be a minimum of 75 working days. Working periods can be of 50-60-minute duration. A Working week shall consist of minimum 30 periods.

4. COURSE CALENDAR

The course calendar shall be prepared by the University in advance in the month of May by convening a meeting of Principals/Heads of all affiliated architecture institutions before the commencement of an academic year.

The course calendar, published by the University, shall be strictly followed for ensuring timely conduct of examinations and publication of results.

5. ASSESSMENT OF STUDENTS

Assessment of students for each subject shall be done by internal continuous assessment and end semester examinations. The individual maximum marks allotted for continuous assessment and End-semester University examinations for each subject shall be as prescribed in the scheme and syllabus.

Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT

RECORD' for every semester which consists of attendance marked in each theory / theory cum studio /studio class, the assessment marks and the record of class work (topics covered), separately for each course handled by the teacher. This should be submitted to the Head of the Department periodically (at least three times in a semester) for checking the syllabus coverage and the records of assessment marks and attendance. The Head of the Department shall affix his/her signature and date after due verification. At the end of the semester, the record shall be verified by the Head of the Department who shall keep this document in safe custody (for ten years from the date of admission of that batch of students). The records of attendance and assessment of both current and previous semesters should be available for inspection.

a. CONTINUOUS ASSESSMENT (C. A.)

Internal continuous assessment shall be conducted throughout the semester. It shall be based on internal examinations, assignments (such as home assignments, problem solving, group discussions, quiz, literature study and case studies, seminar presentations, term-project, software exercises, etc.) as decided by the faculty handling the course with the approval of the head of the institution, and regularity in the class.

Internal assessment marks of all theory and studio-based courses should have a class average limited to 80%. If the class average of internal assessment marks of any theory /studio-based course is greater than 80%, it should be normalized to limit it to 80%. If the class average is not greater than 80%, absolute marks should be given.

All the students in the nominal roll of the class on the closing day of semester should be considered for normalization of internal marks.

Normalized internal assessment marks of theory and studio-based subjects, should be published in the college 10 days before sending it to the University to enable the students to report any corrections.

All courses of the B.Arch. Degree Course are grouped into five categories. Continuous assessment marks shall be awarded as per the following norms for each group.

GROUP I - Studio Based Courses like Basic Design & Architectural Design

- Design exercises, projects, tests and internal reviews - 90% Marks
- Attendance - 10% Marks

Course plan with details of evaluation criteria and weightage of marks (scheme of assessment) shall be issued to the students in the beginning of the course. A brief of exercises/projects, number of reviews, tests, essential field study etc. shall be included in the course plan.

GROUP II - Theory cum Studio / Drawing Courses

- Tutorials / Assignments / Viva based on assignments - 60% Marks
- Two internal tests each of equal weightage - 30% Marks
- Attendance - 10% Marks

Architectural Drawing and Graphics, Building Materials and Construction, Visual Art & Aesthetics, etc. come under this group. Course plan with assignment details and weightage of marks for each assignment (scheme of assessment) shall be issued to the students in the beginning of the course.

GROUP III - Theory Courses

- Tutorials / Assignments (minimum 2) - 40% Marks
- Two internal tests each of equal weightage - 50% Marks
- Attendance - 10% Marks

GROUP IV - Workshops / Labs / Working Drawing (Internal evaluation courses)

- Demonstrations / Presentations / Drawings (Course work) - 50% Marks
- Records / Portfolio - 20% Marks
- Final test / Viva - 20%
- Attendance - 10%

GROUP V - Practical Training, Dissertation, Thesis and Viva Voce

C.A. for Practical Training, Dissertation, Thesis and Viva Voce shall be conducted as per the guidelines given in Section 24 (B. Arch. Degree Course manual).

The C.A. marks allotted for regularity for all courses shall be awarded full only if the candidates have secured at least 90% attendance in the subject. Proportionate reduction shall be made in the case of subjects in which he/she gets below 90% of the attendance for the subject.

The C.A. marks obtained by the student for all subjects in a semester are to be published in the College within 10 days after the last working day of the semester.

b. END-SEMESTER EXAMINATIONS

There shall be University Examinations at the end of combined first and second semester and at the end of every semester from the 3rd semester onwards except the 7th semester (Practical Training) for Group II and Group III courses as prescribed under the respective scheme of examinations for B.Arch. Degree course.

Jury evaluation for Group I courses, Practical Training, Dissertation and Thesis Viva Voce shall be conducted by the University.

Panel of Jurors for Group 1 subjects, should have minimum 5 years' experience as per COA norms and shall be sent to the University 15 days before the closure of semester. Jury evaluation of Group 1 courses shall be conducted by the Institution with the Panel approved from university within 10 days after the last working day of the semester. The mark list should be sent to the University within 10 days of the Jury evaluation. Make up Jury marks shall be sent within one month from the date of regular Jury evaluation.

Students who are not eligible for condonation shall not be permitted to attend the Jury evaluation.

Examinations will be held twice in a year – May/June session (for even semesters) and November/December session (for odd semesters); failed or improvement candidates shall have to appear for the End-Semester examinations along with regular students. The combined 1st and 2nd semester is reckoned as equivalent to an even semester for the purpose of conduct of examination and the University examination shall be held during the May/June session. However, 9th and 10th Semester examinations shall be conducted in both the sessions.

6. ATTENDANCE

A candidate shall be permitted to appear for the end-semester examinations only if he/she satisfies the following requirements:

- a. He/she must secure not less than 75% attendance in the total number of working hours in each semester.
- b. He/she must earn a progress certificate from the head of the institution stating that he/she has satisfactorily completed the course of study prescribed in the semester as required by these regulations.

It shall be open to the Vice Chancellor to grant condonation of shortage of attendance on the recommendation of the head of the institution in accordance with the following norms.

- The shortage shall not be more than 10%.
- Shortage up to 20% shall be condoned once during the entire course provided such shortage is caused by continuous absence on genuine medical grounds.
- Shortage shall not be condoned more than twice during the entire course.

A candidate who is not eligible for condonation of shortage of attendance shall repeat the semester.

Students are eligible for duty leave if they perform certain kinds of duties like representing the college/University in sports and games, etc. on recommendation from faculty members concerned, Head of Institution shall sanction duty leave for the period of absence. The maximum limit of duty leave that can be granted to a student during a semester is 10% of the total number of instructional hours engaged in that semester. Application for duty leave should be submitted to the Head of Institution preferably before the duty is performed or within ten working days after returning from duty. If duty leave is sanctioned, the student shall meet the faculty members handling classes for him/her in that semester (within 2 weeks after returning from duty), and request them to mark duty leave granted in the record of attendance.

7. PATTERN OF QUESTIONS FOR END-SEMESTER EXAMINATIONS OF THEORY SUBJECTS

The question papers of end-semester examinations of theory courses shall be prepared by experts having at least 2 years of experience of teaching the concerned subject for B.Arch.

The question papers shall conform to the following guidelines:

- a. Even distribution of questions from all modules of the course syllabus as per the question paper pattern given in the syllabus of each subject.
- b. Unambiguous and free from any defects/errors.
- c. Contains adequate data/other information on the problems assigned.
- d. Have clear and complete instructions to the candidates like the structural and other codes allowed to be taken inside the examination hall, and special stationery items to be supplied to students if any.

The pattern of questions for all subjects shall be specified along with the syllabus of the subject.

The question papers shall be scrutinized by an expert on the subject to check the conformity to the guidelines.

Model question paper shall be prepared for each subject along with the syllabus preparation. This same model question paper along with the syllabus shall be sent to the question-paper setter every time for framing the questions. All question paper setters shall provide the scheme and key for the evaluation of the answer sheets of the course. The model question paper shall be made available to students.

8. EXAMINATION MONITORING CELL

Head of each Institution should formulate an Examination Monitoring Cell

at the institution for supervising all examinations, including the internal examinations. This cell, with a senior staff member as Convener, shall consist of minimum three members (one shall be a lady). A clerical staff having computer skills shall also be assigned for the examination monitoring cell.

The collective responsibilities of the examination monitoring cell are to:

- a. Officiate as the examination squad to keep a vigil on all end-semester examinations. If any malpractices are found/reported by invigilators, inform these to the Head of Institution along with a report about the incident. Head of Institution shall forward all such complaints to the University.
- b. In case of malpractices found during the end-semester University examinations, the Chief Superintendent shall initiate actions according to the latest University Order related to Malpractice.
- c. To receive any complaint from students regarding issues like out-of-syllabus questions, printing mistakes, etc. of end-semester examinations of theory courses. The cell shall investigate these complaints and if necessary, forward it to the University with specific comments
- d. Schedule all examinations conducted as part of internal assessment of students.
- e. To receive any complaints from students regarding internal examinations, inquire into such incidents, and give a report to the Head of the Institution for necessary action.
- f. In general, to function as an extended wing of the office of the Controller of Examinations of the University, at Institution level.

To conduct all the theory examinations, a Chief Superintendent and an Assistant Chief Superintendent should be appointed internally by the Head of the Institution. At least one external Additional Chief Superintendent should be appointed by the University as Observer for conducting theory examinations in all affiliated Architecture Colleges, who shall be not below the rank of an Assistant Professor in a Government/Aided College or Assistant Registrar in the University.

9. CENTRAL VALUATION CAMP

At the end of every semester, the Head of each Institution should forward the list of faculty members working in the college along with their qualification, years of teaching experience, and subjects taught in various semesters to the University. This is a mandatory requirement which shall be strictly followed by the Head of each Institution.

Faculty members appointed for Centralized Valuation Camp should necessarily have minimum two years teaching experience or as prescribed by the University and COA from time to time. The Head of each Institution shall ensure the availability of sufficient number of regular faculty members having experience and qualifications in the

institution.

Appointment of faculty from architectural institutions under the University for valuation camp shall be based on the intake of students of the institution.

Faculty members from affiliated architecture colleges who are assigned duty by the University for Centralized Valuation Camp should strictly attend the valuation at the specified center. Head of each institution should ensure this, failing which disciplinary action shall be initiated against defaulting colleges, including withholding of results of candidates of such institutions.

Duty leave shall be granted to such faculty members who are assigned valuation duties.

10. MINIMUM FOR PASS

Candidates shall secure not less than 40% of marks in the External/Final jury and 50% aggregate in Continuous assessment and External /Final Jury put together for a pass in **Group I & Group V** courses.

For **Group II and Group III** courses,

- a. A candidate who secures not less than 40% marks in a course at the end- semester examination and not less than 50% of the total marks assigned to the course, shall be declared to have passed the examination in that course.

OR

- b. A candidate who secures end semester examination itself, 40% of the total marks assigned to a subject, shall also be declared to have passed the examination in that course.

The total marks assigned to a course in the above calculations are the sum of maximum marks assigned to the end-semester examination and maximum internal assessment marks of that course. Candidates shall be assigned grades according to the marks scored.

For **group IV** courses which do not have University examination, the minimum marks for pass shall be 50% of the aggregate marks.

10.1. MAKE UP CHANCE

If a student fails to secure a pass in examinations of Group I, Group IV and Group V subjects except Thesis in Tenth Semester, the student shall be given a make -up-chance. In all such cases make-up Jury evaluation marks will be limited to 50% (both internal and external marks).

Group I subjects:

If a student fails to secure a pass in examinations of Group 1 subject, the student shall be given a make-up chance. Such students shall improve their internals by working under the supervision of a faculty member assigned by the Head of the department, report to the college on daily basis.

Maximum period for submission of improved works shall not exceed three weeks from the date of announcement of the results of the concerned students in the Regular Jury examination, by the Head of the teaching institution, excluding intervening University examinations, if any.

Only those students, who have appeared for the original chance, shall be eligible for make-up chance. Exemption shall be provided for absence in regular jury evaluation if the student fails to appear(absent) for the Jury due to genuine medical reasons and have submitted portfolio on the date announced by the department. Such students can attend Make up Jury with the permission from Head of the teaching institution.

Maximum marks for make-up Jury evaluation will be limited to 50% for both internal (C.A.) and external (Jury) marks.

In case, a student fails to secure a pass in this make-up chance, the student shall have to take a break and repeat the subject/s when it is offered next. i.e. as a repeater student in the subsequent batch, shall fulfill the requirements for attendance, i.e. minimum 75% attendance for that particular subject, secure fresh internal assessment marks attending all the design stage reviews and submit the design/assignments as in the case of a regular student.

Group IV subjects:

If a student fails to secure a pass in examinations of Group IV courses, the student shall be given a make-up chance. He/she shall improve the works done under the supervision of a faculty member assigned by the Head of the department. Faculty member shall revise the internal marks of the subject based on the performance of the student. The internal marks secured in the makeup chance shall be limited to 50%.

In case, a student fails to secure a pass in this make-up chance, the student shall be promoted to the next semester. However, he/she must repeat that course in the subsequent chance, secure fresh internal assessment marks and submit the assignments/improved portfolio.

Group V subjects:

Practical Training: Makeup chance shall be given to those who fail in the jury of practical training . They shall submit the improved portfolio of works within three weeks from the date of announcement of the results in the department and attend the makeup Jury on the scheduled date. Other conditions for eligibility and evaluation for makeup Jury are the same as those mentioned for Group I subjects.

In case, a student fails to secure a pass in this makeup chance, the student shall have to take a break and repeat the practical training when it is offered next i.e. as a repeater student in the subsequent batch.

Dissertation: If a student fails in the dissertation and in the subsequent make up Jury evaluation, he/she shall be promoted to the next semester and shall have to repeat the course in the subsequent batch as a repeater student, secure fresh internal assessment marks and attend the Jury evaluation as in the case of a regular student.

In case of Thesis & Viva Voce refer to the B. Arch Degree Course manual. (Section 24.4)

11. IMPROVEMENT OF END SEMESTER EXAMINATION

Candidates shall be allowed to improve the grade of any two courses of Group II & Group III by repeating the University Examination in each semester in the subsequent chance only. If the candidate gets more marks in the improvement chance, marks scored in the improvement chance will be considered for grading in the subject; otherwise, marks scored in the first attempt will be retained.

No candidate shall be permitted to improve the marks scored in subjects of Group I courses and Continuous Assessment unless otherwise described in these regulations.

12. IMPROVEMENT OF CONTINUOUS ASSESSMENT MARKS

Students who are unable to pass in Group II or Group III subjects due to low internal marks shall be permitted to improve their internal marks after the completion of their tenth semester with special permission from the Head of the Institution. There shall be only one chance for improving internal marks for each subject. Students shall not be permitted to avail this chance after two years of completion of their tenth semester.

Students who wish to improve the internal marks shall register for the subject at the University after getting approval from the institution. Internal marks of subjects of odd semester shall be improved during the odd semester session and those of even semester shall be improved during the even semester session.

Head of the department shall appoint a faculty for each subject. Students shall meet the concerned faculty once in every month for the subject during the semester. Students shall attend internal tests scheduled by the Institute and submit all the assignments given to them by the concerned faculty. The revised internal marks should be limited to 60% in Group II subjects and 70% in Group III subjects.

Copy of the internal marks should be sent to the University within 6 months from the date of registration. In case the student has scored more than 40% marks in multiple attempts of the university examinations, the highest marks among them shall be considered for

calculating the aggregate marks.

13. CREDIT SYSTEM

Each course shall have a certain number of credits assigned to it depending upon the academic load (hours/week assigned to it) and the nature and importance of the subject. The credit associated with each subject will be shown in the prescribed scheme and syllabi. Each course shall have an integer number of credits, which reflects its weightage.

14. GRADING

The university shall award the letter grade to students based on the marks secured by them in both internal assessment and end-semester examination taken together for the courses registered. Each letter grade indicates a qualitative assessment of the student's performance and is associated with a specified number of grade points. The grading system along with the grade points for each grade, applicable to passed candidates is shown below. All passed candidate shall be allotted a grade S, A, B, C, D, or E according to the total marks scored by him/her. Absolute Marks secured by the candidates shall also be included in the Mark list.

If a candidate does not pass a subject as per the conditions given in Section 10, he/she shall be assigned an Unsatisfactory grade 'U' irrespective of his/her total marks. If a student does not pass a subject in two attempts, the maximum grade he/she can get is 'C' when he/she passes the subject in any subsequent examination, whatever be the marks scored by him/her.

A student is considered to have completed a course successfully and earned the credits if he/she secures a letter grade other than 'U' in that course. Letter grade 'U' (Failed) has zero grade point and the candidate has to write the examination again to improve the grade. A student's performance is measured by the number of credits that he/she has earned and by the cumulative grade point average (CGPA) maintained by him/her.

Percentage of marks (rounded off to the nearest integer) scored by the passed candidates.	Corresponding Grade allotted	Grade Points
90% and above	S	10
80% and above but less than 90%	A	9
70% and above but less than 80%	B	8
60% and above but less	C	7

than 70%		
50% and above but less than 60%	D	6
40% and above but less than 50%	E	5

For converting CGPA to percentage of marks, the following formula can be used. Percentage marks = (CGPA - 0.5) x 10.

15. SEMESTER GRADE POINT AVERAGE (SGPA) AND CUMULATIVE GRADE POINT AVERAGE (CGPA)

- a. A Semester Grade Point Average (SGPA) shall be computed for all the students for each semester, as follows:

$$SGPA = \sum_{i=1}^n \frac{C_i G_i}{C_i}$$

where, n is the number of subjects registered during the semester, C_i is the number of credits allotted to the subject as per the scheme, and G_i is the grade points corresponding to the grade awarded to the student for the subject.

- b. A Cumulative Grade Point Average (CGPA) shall be computed for all the students at the end of each semester by taking into consideration their performance in the present and the past semesters as follows:

$$CGPA = \sum_{i=1}^m \frac{C_i G_i}{C_i}$$

where, m is the number of courses registered up to that semester, C_i is the number of credits allotted to the subject as per the scheme, and G_i is the grade points corresponding to the grade awarded to the student for the subject.

An up-to-date assessment of overall performance of a student is obtained by calculating CGPA. CGPA is weighted average of the grade points obtained in all the subjects registered by the students since he entered the B. Arch. course.

- c. Both the SGPA and CGPA shall be rounded off to the second place of decimal and recorded as such for ease of presentation. Whenever the CGPAs are to be used for the purpose of determining the merit ranking in a group of students, only the rounded off values shall be made use of.

16. REGISTRATION FOR EACH SEMESTER

Every eligible candidate should register for all subjects of the end-semester examinations of each semester. A candidate who does not register will not be permitted to attend the end semester examinations; he/she shall not be permitted to attend the next semester.

A candidate shall be eligible to register for any higher semester i.e. 3rd semester onwards if he/she has satisfactorily completed the course of study and registered for the examination of the combined first and second semesters. A candidate shall be eligible to register for the fourth to tenth semesters if he/she has satisfactorily completed the course of study and registered for the examination of the immediate previous semester. He/she should register for the semester at the start of the semester before the stipulated date. University will notify the starting and closing dates for each semester.

Minimum Cumulative Credit requirements for gaining eligibility to register for the next higher semester is as follows:

Semester	Allotted Credits	Cumulative Credits	Minimum Cumulative Credits required	Other Prerequisites
First & second	58	58	Not Applicable	Not Applicable
Third	29	87	Not Insisted	Must Pass S1&S2 Basic Design
Fourth	29	116	Not Insisted	Must Pass S3 Architectural Design - I
Fifth	29	145	Not Insisted	Must Pass S4 Architectural Design - II
Sixth	29	174	Not Insisted	Must Pass S5 Architectural Design - III
Seventh	20	194	64 Credits from S1 to S4	Must Pass S6 Architectural Design - IV
Eighth	29	223	Not Insisted	Must Pass Practical Training
Ninth	27	250	96 Credits form S1 to S6	Must Pass S8 Architectural Design - V
Tenth	20	270	Not Insisted	Must Pass S9 Architectural Design - VI

A student who fails to fulfil the eligibility criteria to register to the next higher semester, must take a break and can be permitted to register with the subsequent batch as and when he/she satisfies the eligibility condition as a repeater in addition to the existing student strength of that

batch.

As this rule for promotion is an academic prerequisite, no exemption should be granted for any reason whatsoever. The Head of the Institution should take necessary measures to implement this rule strictly.

A Student who has temporarily discontinued his/her studies shall be permitted to rejoin the course with permission from the University, on the recommendations of the Head of the Institution, if he/she had to discontinue the course based on medical grounds. He/she shall produce a medical certificate issued by a Govt. medical officer specialized in the respective field while rejoining the course. There will be provision for maternity leave to female students as per the norms of the University in vogue.

17. INTER - COLLEGE TRANSFER WITHIN THE UNIVERSITY

A student can be transferred from one institution to another institution only in the beginning of 3rd semester of the course, after the completion of admission process. Such inter college transfer is applicable

- Only for regular B. Arch. Students enrolled through Government Quota.
- The transfer shall be permitted just before the commencement of third semester.
- The transfer shall be only within the sanctioned strength (intake) of the receiving college.
- The candidate shall fulfil the academic eligibility requirement for promotion to the third semester.
- Transfer shall be permitted:
 - o Between Govt/Govt. Aided Colleges
 - o Between Self-Financing Colleges
- If the number of applicants is more than the vacant seats available, the transfer may be based on the Entrance Exam Rank.
- The student shall opt for only one college for inter college transfer.
- The college transfer once approved by the receiving college shall be final and binding on the applicant. No student shall be permitted, under any circumstances, to refuse the change of college once offered.

Notification inviting application for inter college transfer shall be issued by the University just before the commencement of the third semester.

18. ELIGIBILITY FOR THE DEGREE

- a. No candidate shall be eligible for the B. Arch. Degree unless he/she has undergone the prescribed course of study for a period of not less

than five academic years (including Practical Training and Architectural Thesis Project) in an institution maintained by or affiliated to the University and has passed all the examinations as per the prescribed B. Arch. Degree curriculum within 10 years of registering to the first year of B. Arch program as mentioned in rule no. 3.

- b. The University shall issue the mark lists of students who pass the examinations in supplementary chances, through the head of the institution in which the student attended the course work.

19. ADDITIONAL REQUIREMENTS FOR THE DEGREE

In addition to the requirements prescribed for the award of B. Arch. Degree, each student must complete compulsory social service for a specified duration during 3rd to 9th semesters of the course. A record is to be kept showing the details of social service activities undertaken and it should be approved and certified by the Head of Institution before permitting the student to register for the tenth semester.

Social work shall have Social/Architectural significance. This can be a project related to INTACH, Rural/Urban Housing, Urban/Rural, Social/Physical surveys, Environmental issues and any such project the Head of the Institution approves. The report is to be made available in the college library for reference to concerned persons in a suitable format.

Students are required to compulsorily undertake educational tours to visit places of architectural interest and other study trips as per the requirements of the Architectural Design Studio in the relevant semesters, taking not more than 5 working days in a semester. It can be combined with vacations/holidays.

For students who are granted exemption from attending any tour, measures shall be taken to record their attendance in the college and provide alternate tasks.

Students are also required to participate in a Documentation camp before the end of the Seventh semester.

20. CLASSIFICATION OF SUCCESSFUL CANDIDATES

- a. A candidate who qualifies for the degree, passing all the subjects of the ten semesters within 6 academic years after the commencement of his course of study and secures not less than a CGPA of 8.00 of all the semesters shall be declared to have passed the B. Arch. Degree examination in First Class with Distinction.
- b. A candidate who qualifies for the degree, passing all the subjects of the ten semesters within 6 academic years after the commencement of his course of study and secures less than 8.0 CGPA but not less than a CGPA of 6.50 of all the semesters shall be declared to have passed the B. Arch. Degree examination in First Class.
- c. All other candidates who qualify for the degree passing all the subjects

of the ten semesters and not covered as per Section 19 (a) and 19 (b) shall be declared to have passed the B. Arch. Degree examination in Second class.

21. CLASS COMMITTEE

The Head of the Institution shall take necessary steps to form a class committee for each class at the start of classes of each semester. This class committee shall be in existence for the semester concerned. The class committee shall consist of the Head of Department, Staff Advisor of the class, a senior faculty member of the department, and three student representatives (one of them should be a girl). There should be at least two meetings of the class committee every semester; it shall be the responsibility of the Head of Department to convene these meetings. The decisions of the Class Committee shall be recorded in a register for further reference. Each class committee will communicate its recommendations to the Head of Institution.

The responsibilities of the class committee are:

- a. to review periodically the progress and conduct of students in the class.
- b. to discuss any problems concerning any subjects in the semester concerned.
- c. to identify weaker students of the class and suggest remedial measures.
- d. to review teaching effectiveness and coverage of syllabus.
- e. discuss any other issue related to the students of the class.

22. GRIEVANCE REDRESSAL CELL

Each college should set up a Grievance Redressal Cell constituted as per the norms prescribed by MHRD, UGC, COA, State Government, Honorable Courts etc. to look into grievances of the students, pertaining to SC & ST welfare, women, examinations etc.

23. ANTI-RAGGING CELL

The Head of Institution shall take necessary steps to constitute anti-ragging committee and squad at the commencement of each academic year. The committee and the squad shall take effective steps as specified by the Honorable Supreme Court of India, to prevent ragging.

24. B. ARCH. DEGREE COURSE MANUAL

More details about the conduct and evaluation of Basic Design and Architectural Design I to VI, Practical Training, Thesis and Viva Voce, Study Tour and Documentation Camp for Architectural Design, and Dissertation are discussed in this course manual.

24.1. BASIC DESIGN AND ARCHITECTURAL DESIGN I TO VI

- a. The Evaluation of Basic Design and Architectural Design I to VI is based on Continuous Evaluation and End-Semester Jury Evaluation conducted by a panel of Jury members. The marks for the Continuous Assessment shall be awarded by the faculty member in charge.

The University shall appoint the Jury panel for the Jury Evaluation. The Evaluation panel shall consist of an External Examiner and an Internal Examiner (with minimum 2 years teaching experience) who shall be appointed by the University on the recommendations of the Chairman of the B.Arch. Program.

The External Examiner shall be from among the faculty members of other teaching Institutions or a Practicing Architect registered with the COA, incorporated under Architect's Act 1972, having experience of not less than 5 years.

Improvement/ Make-up jury, whenever required shall be conducted by the same panel, as far as possible or alternate arrangement shall be made by the Chairman of Board of Examinations

- b. Students shall submit the portfolio consisting of the assignments/design projects for the course and other documents as instructed by the subject-in-charge before 3.00 pm on the date scheduled by the College prior to the commencement of the Jury Evaluation to be eligible for the Jury. All assignments/sheets/works shall be sealed (college seal) and signed by the subject-in-charge. Assignments/sheets/works without the college seal, date and signatures of the subject-in-charge shall not be evaluated by the Jury Panel.
- c. The Jury members (Internal and External Examiners together) shall evaluate the portfolio. Students shall be present and explain their work to the Jury members at the time of evaluating their portfolio.
- d. The Candidate shall fulfil the conditions of Section 10 to pass group I courses.
- e. The C.A. marks of the students must be published at least one week prior to the External Jury Evaluation.
- f. The Jury members shall submit the consolidated marks counter signed by the Chairman of Board of Examinations to the University.
- g. The result status as passed/failed/absent of the students shall

be published by the Head of the Institution within three working days from the last day of the Jury examination, to facilitate them to appear for the make-up chance.

24.2. PRACTICAL TRAINING

a. Introduction

As per the B. Arch. Curriculum, all students shall undergo one semester of practical training immediately after the completion of the 6th semester B.Arch. examinations. Only those who have passed all studio-oriented subjects (group I courses) up to sixth semester shall be eligible to undergo practical training. In such a case where results have not been declared the candidate shall be given provisional enrollment in Practical Training.

The training shall be under an Architect registered with the COA, possessing an experience of minimum five years, and approved by the Dept. of Architecture of the teaching institution.

The duration of practical training shall be one semester (Min. 100 working days/as per COA norms).

b. Selection of Firm for Practical Training.

The candidate shall select the Architect/Firm for practical training with the approval of the Dept. of Architecture of the teaching institution, in advance before the commencement of the 6th semester University examination.

He/she should not be a faculty of the Dept. of Architecture of the teaching Institution or their immediate relatives or an Architect employed in the Public sector.

Students can also select internationally recognized Architects practicing outside India, with the approval of the Dept. of Architecture of the teaching Institution.

c. Type of works to be carried out during the training period

The students are expected to gain exposure in the following aspects:

- Site visit and Site Supervision
- Preparation of drawings for getting building permissions, working drawings, service drawings, etc.
- Preparation of estimates, specifications, contract documents, and tender documents
- Discussion with clients and other consultants

d. Monthly work report

The students are required to send copies of the monthly report of the work done to the Dept. of Architecture of the teaching institution, within one week after the completion of each month. The report shall be duly signed by the Principal Architect or by the concerned Architect supervising the work.

e. Documents to be submitted after the completion of training

The students are required to submit to the Department of Architecture of the teaching institution a report including the details of their work illustrated with sketches, prints and other documents connected with the projects on which he/she has worked both in office and at site, a work diary, originals of monthly reports, and a certificate regarding their conduct and performance of work done during the training period. This report shall be certified by the registered Architect under whom the candidate had undergone practical training.

f. Evaluation of Practical Training

Continuous assessment for Practical Training shall be done by the institution in a systematic procedure. For the Practical Training, a viva-voce examination shall be conducted at the end of the seventh semester by a Jury consisting of an internal examiner and an external examiner appointed by the University.

The efforts of students to gain experience and their regularity in conforming to the prescribed norms shall be given more weightage than the quantity of sheets produced during their evaluation.

Makeup chance shall be given to those who fail in the jury of practical training as mentioned in section 10.1. In case, a student fails to secure a pass in this makeup chance, the student shall have to take a break and repeat the practical training when it is offered next i.e. as a repeater student in the subsequent batch in addition to the existing student strength of that batch.

24.3. DISSERTATION

Students of the B.Arch. Degree course are required to submit a Dissertation as part of the ninth semester. Students admitted to the ninth semester shall submit choices of their dissertation within a week after the commencement of the ninth semester classes.

The Head of the Department of the teaching institution shall allot a Dissertation Guide (Faculty member of the Dept. of Architecture of the teaching institution) for each student

considering the nature of the topic and specialization of the faculty member. Students shall obtain approval for the topic of the Dissertation from the Department of the teaching Institution.

Continuous assessment for Dissertation shall be done for a weightage of 50% of the total marks by the Evaluation Board (Constituting of project guide and 2 other faculty members of the same Institution) who will award marks for three assessments as per the academic schedule of the University. For Dissertation, a Viva Voce Examination shall be conducted at the end of the semester. The head of Dept. of the teaching institution shall constitute a Jury for evaluating the final presentation of the dissertation work. The Jury panel shall be constituted from among the faculty of the Dept. of Architecture of the Teaching institution and/or from among the Architects registered with the Council of Architecture, incorporated under the Architect's Act 1972, with not less than 5 years' experience.

24.4. THESIS AND VIVA VOCE

a. Selecting the Thesis topic

Students of the B.Arch. Degree course are required to complete an Architectural Design Thesis during the last six months of the B.Arch. Degree Program.

Students shall submit choices of their thesis project one month before the commencement of the tenth semester classes.

The Head of the Department of the teaching institution shall allot a guide for each student considering the nature of the work and specialization of the faculty member. Students shall obtain approval for the project of Thesis from the Architecture Department of the Teaching Institution. The duration of the thesis shall be 18 weeks from the date of commencement of the tenth semester of B.Arch. Degree Course.

The project selected may be either a live architectural project or a hypothetical one so that the student gets training in tackling projects similar to what he/she is likely to face in his/her professional career. The project and its programming shall be worked out by the student in consultation with the guide.

The work should include an intensive study of the topography, climate and problems concerned with design of spaces and structures. The solution of the problem shall incorporate the integrated approach of the architect, engineer, urban designer, planner, and landscape architect and this shall be reflected in the preparation of drawings and written report.

Students are required to maintain a work diary of the thesis work. All students are required to schedule their thesis work and get it approved by the guide at the beginning of the thesis work. A copy of the schedule shall be submitted to the thesis coordinator nominated by the Head of the Department.

b. Internal Evaluation

Internal evaluation of each student shall be done by a three-member jury constituted by the Department. Jury members shall constitute of either faculty of Architecture of the Teaching College and/or from among the Architects registered with the Council of Architecture, incorporated under the Architect's Act 1972, with not less than five years' experience. Guide shall be mandatorily a member of the Jury. The progress shall be assessed by the jury periodically through a minimum of four stages of reviews, the dates of which shall be published by the department before the commencement of the tenth semester. Each review shall assess the student's systematic design process and solutions expressed by graphical (including models) and oral presentation.

A total of 300 internal assessment marks shall be awarded based on four reviews. The split-up marks of the same shall be as follows.

Review 1 - Introduction of the Thesis Topic, Feasibility studies, Basic data, Case studies/ Primary surveys, Analysis, Arriving at Inferences and Design Program, Site analysis and Conceptual development, Introduction of Special Topic.

90 marks

Review 2 – Review of Previous stage, arriving at lay out plan, Sketch design for various building blocks including Floor Plans, Sections, Elevations, Views, Block Models etc., Conformity to Relevant Standards, Bye laws etc. and Achievement of Basic Objectives of Architectural Design, Further studies on Special Topic.

90 marks

Review 3 - Review of Previous stages, Final Layout, Final Design for various building blocks through relevant Plans, Sections, Elevations, Views etc., Details of Building and Site Services, Site Planning and Landscape schemes, Preparation of relevant Detailed Drawings, Application of Special Topic in the design scheme, Preparation of Draft Report.

**90
marks**

Review 4 - Review of Final stage of all finalized drawings and schemes, Structural Details, Working Details etc., Review of Final Draft of the Report.

**30
marks**

A candidate who fails to secure minimum 40% marks in each review shall have to appear for a supplementary review on the date announced by the department of Architecture. There shall be only one supplementary review for each stage. The maximum marks awarded in the supplementary review of each stage shall be limited to 50%.

Students have to obtain a total of 40% marks combining the four stages of reviews to be eligible for the external jury, failing which he/she has to repeat the Thesis with the next immediate batch.

Such students will have to take a token registration from the University to continue their Thesis along with the next regular batch. These students shall be considered as supplementary candidates in addition to the existing strength of the class.

c. External evaluation

The University shall appoint the Jury panel for the Jury examinations. The Jury panel shall consist of one/two External Examiner(s) and Internal Examiners who are to be appointed by the University on the recommendations of the Chairman of the B.Arch. program. The external examiner shall be Architects registered with the Council of Architecture, incorporated under the Architect's Act 1972, with not less than 10 years' teaching/professional experience.

Students shall secure 40% of marks in the external jury and 50% aggregate (Internal+ External Jury) for successfully completing the Thesis and Viva voce.

The Jury appointed by the University shall evaluate the Thesis documents and conduct viva voce. Marks shall be jointly awarded by the Jury out of the maximum of 300 and the tabulated mark-list duly signed by the Internal and External Examiner shall be forwarded to the Controller of Examinations through the Chairperson of Board of Examinations.

d. Suggested Areas for Special Topic

- Building construction techniques and the details of the use of new materials
- Equipment and design of any one building service like air conditioning, electrification and illumination,

- sanitation and water supply or acoustics
 - Furnishings, fittings and finishes
 - Climatic research and its applications
- Or any other suitable topic approved by the teaching institution

e. Documents to be submitted for the Jury

Two copies of the Data Collection in the preliminary design stage (up to the design and including the case studies) shall be compiled and presented in A3 size format along with the final submission. Two copies of the Final Hard Bound Report shall be submitted before the final Jury on the date and time announced by the Dept. of Architecture of the Teaching Institution. The total number of design sheets for final submission shall not exceed 30 (thirty) A1 size sheets. Models are to be submitted at the time of Viva voce examination.

The format and other instructions regarding the schedule of reviews, preparation of the bound volumes of Data Collection, Final Report, Final Sheets, Physical Models, etc. shall be announced by the Dept. of Architecture of the Teaching Institution.

The Head of the Department shall have the freedom to send the Thesis documents after the final Jury evaluation for participating in competitions organized by the Council of Architecture etc., with the consent of the concerned candidate. Anything which is not explicitly covered in these regulations shall be decided by the Thesis monitoring committee.

24.5. STUDY TOUR AND DOCUMENTATION CAMP FOR ARCHITECTURAL DESIGN

a. Study Tour

The study tours for visiting important places of Architectural interest shall be conducted as part of Architectural Design and shall officially be accompanied by the faculty members. The maximum duration of one study tour shall be limited to 15 days combined with vacation, out of which working days shall not exceed 5 in a semester. Each student shall submit a detailed bound report of the educational tour to the Head of the Department within two weeks after the programme. These bound reports signed by the staff advisor or faculty in charge of tours/visits and by the Head of the Department, shall also be considered for evaluations as part of the Architectural Design Jury.

b. Documentation Camp

The documentation camp shall be of maximum 7 days

duration and conducted as part of the Architectural Design course before the end of the sixth semester. The faculty members handling the subject shall also be present in the camp. The documentation camp consists of preparation of measured drawings of selected buildings / historic places inside and around the state of Kerala.

The originals of materials produced as part of the study tour and camp shall be submitted to the Head of the Department and such materials submitted shall be the property of the Department. These drawings/reports shall be signed by the staff advisor or faculty in charge of the Architectural Design Studio and by the Head of Department. They shall also be considered for evaluation as part of the Architectural Design Jury.

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

University of Calicut

Curriculum

of

B.Arch. Degree Course
(With effect from 2022 admissions)

B. ARCH. CURRICULUM, 2022

Every course of B. Arch Program is categorized as shown in the table:

Course Category		
No	Category	Code
1	Professional Core	PC
2	Building Science and applied Engineering	BS & AE
3	Elective Course	EC
4	Professional Ability Enhancement Courses	PE
5	Skill Enhancement Course.	SE

Additionally, there are five subject groups as shown in the table:

Subject Groups	
Group No	Name
I	Studio Based Courses like Basic Design & Architectural Design
II	Theory cum Studio / Drawing Courses
III	Theory Courses
IV	Workshops / Labs / Working Drawing
V	Practical Training, Dissertation, Thesis and Viva Voce

COMBINED FIRST AND SECOND SEMESTER												
Course Code	Subject	Group	Category	Credits	Hours Per Week **			Duration of Exam	Marks			
					L	T	P/S		W	J	C.A.	Total
AR 22-11	Basic Design*	I	PC	16	0	1	7	0		200	300	500
AR 22-12	Theory Of Architecture	III	PC	4	2	0	0	3	100		50	150
AR 22-13	Building Materials & Construction -I	II	BS & AE	6	1	0	2	3	100		100	200
AR 22-14	Theory Of Structures-I	III	BS & AE	6	2	1	0	3	100		50	150
AR 22-15	History of Architecture-I	III	PC	4	2	0	0	3	100		50	150
AR 22-16	Architectural Drawing & Graphics	II	PC	8	2	0	2	3	100		100	200
AR 22-17	Visual Art & Aesthetics	IV	PC	6	1	0	2	3	100		100	200
AR 22-18	Model Making & Carpentry	IV	SE	4	0	0	2	0			100	100
AR 22-19	Digital Arts & Graphics	IV	SE	4	0	0	2	0			100	100
TOTAL				58	10	2	17		600	200	950	1750

* Evaluation by the Jury as per the B. Arch Degree Manual, L - Lecture, T - Tutorial, P/S - Practical/Studio, W - Written University Examination, J - Jury, C.A. - Continuous Assessment.

** One hour per week allotted to Library

Note:

One Hour Tutorial of Basic Design to be dedicated for improving the Communication & Presentation Skills of the students.

THIRD SEMESTER							
Course	Subject	Group	Category	Credits	Hours Per Week	Duration	Marks

Code					**			of Exam				
					L	T	P/S		W	J	C.A.	Total
AR 22-31	Architectural Design-I *	I	PC	10	0	1	9	0		200	300	500
AR 22-32	Building Climatology	III	PC	3	3	0	0	3	100		50	150
AR 22-33	Building Materials & Construction -II	II	BS & AE	4	2	0	2	3	100		100	200
AR 22-34	Theory Of Structures-II	III	BS & AE	3	2	1	0	3	100		50	150
AR 22-35	History of Architecture-II	III	PC	3	3	0	0	3	100		50	150
AR 22-36	Building Services-I (Water Supply & Sanitation)	III	BS & AE	3	2	1	0	3	100		50	150
AR 22-37	Computer Aided Visualization - I	IV	SE	3	0	0	3	0			100	100
TOTAL				29	12	3	14		500	200	700	1400

* Evaluation by the Jury as per the B. Arch Degree Manual, L - Lecture, T - Tutorial, P/S - Practical/Studio, W - Written University Examination, J - Jury, C.A. - Continuous Assessment.

** One hour per week allotted to Library

Note:

Two Hour Tutorial of Climatology to be dedicated for conducting experiments in Building Science lab.

FOURTH SEMESTER												
Course Code	Subject	Group	Category	Credits	Hours Per Week **			Duration of Exam	Marks			
					L	T	P/S		W	J	C.A.	Total
AR 22-41	Architectural Design-II *	I	PC	10	0	1	9	0		200	300	500
AR 22-42	Site Analysis & Planning	I	PC	3	2	1	0	3	100		50	150
AR 22-43	Building Materials & Construction -III	III	BS & AE	3	2	1	0	3	100		50	150
AR 22-44	Theory Of Structures-III	III	PC	3	3	0	0	3	100		50	150
AR 22-45	History of Architecture-III	III	BS & AE	3	3	0	0	3	100		50	150
AR 22-46	Building Services-II (Lighting & Electrical Services)	I	PC	3	2	1	0	3	100		50	150
AR 22-47	Computer Aided Visualization - II	IV	SE	3	0	0	3	0			100	100
TOTAL				28	12	4	12		500	200	650	1350

* Evaluation by the Jury as per the B. Arch Degree Manual, L - Lecture, T - Tutorial, P/S - Practical/Studio, W - Written University Examination, J - Jury, C.A. - Continuous Assessment.

** Two hours per week allotted to Library

Note:

One Hour Practical time of Site Analysis and Surveying to be earmarked for survey practical.

One Hour Studio time of Building Services to be dedicated in teaching the application of Building Services in the previous year design problem.

FIFTH SEMESTER												
Course Code	Subject	Group	Category	Credits	Hours Per Week **			Duration of Exam	Marks			
					L	T	P/S		W	J	C.A.	Total
AR 22-51	Architectural Design-III *	I	PC	10	0	1	9	0		200	300	500
AR 22-52	Landscape Design & Planning	III	PC	4	3	0	1	3	100		50	150
AR 22-53	Building Materials & Construction -IV	II	BS & AE	3	2	0	1	3	100		100	200
AR 22-54	Design Of Structures-I	III	BS & AE	3	2	1	0	3	100		50	150
AR 22-55	History of Architecture-IV	III	PC	3	3	0	0	3	100		50	150
AR 22-56	Building Services-III (HVAC & Mechanical Services)	III	BS & AE	3	2	0	1	3	100		50	150
AR 22-57	Specification & Cost Estimation	III	PC	3	1	2	0	3	100		50	150
TOTAL				29	13	4	12		600	200	650	1450

* Evaluation by the Jury as per the B. Arch Degree Manual, L - Lecture, T - Tutorial, P/S - Practical/Studio, W - Written University Examination, J - Jury, C.A. - Continuous Assessment.

** One hour per week allotted to Library

Note:

One Hour Practical time of Building Services to be earmarked for conducting experiments in building science laboratory.

SIXTH SEMESTER												
Course Code	Subject	Group	Category	Credits	Hours Per Week **			Duration of Exam	Marks			
					L	T	P/S		W	J	C.A.	Total
AR 22-61	Architectural	I	PC	10	0	1	9	0		200	300	500

	Design-IV *											
AR 22-62	Interior Design	II	EC	4	1	0	3	3	100		100	200
AR 22-63	Building Materials & Construction -V	II	BS & AE	3	2	0	1	3	100		100	200
AR 22-64	Design Of Structures-II	III	BS & AE	3	2	1	0	3	100		50	150
AR 22-65	History of Architecture-V	III	PC	3	3	0	0	3	100		50	150
AR 22-66	Building Services-IV (Acoustics & Fire Fighting)	III	BS & AE	3	2	0	1	3	100		50	150
AR 22-67	Working Drawing	IV	PC	3	0	0	3	3			100	100
TOTAL				29	10	2	17		500	200	750	1450

* Evaluation by the Jury as per the B. Arch Degree Manual, L - Lecture, T - Tutorial, P/S - Practical/Studio, W - Written University Examination, J - Jury, C.A. - Continuous Assessment.

** One hour per week allotted to Library

Note:

One Hour Studio time of Building Services to be dedicated to applying knowledge to a design problem.

SEVENTH SEMESTER												
Course Code	Subject	Group	Category	Credits	Hours Per Week			Duration of Exam	Marks			
					L	T	P/S		W	J	C.A.	Total
AR 22-71	Practical Training *	V	PE	20	N.A.			0		300	300	600
TOTAL				20	0	0	0		0	300	300	600

* Evaluation by the Jury as per the B. Arch Degree Manual, L - Lecture, T - Tutorial, P/S - Practical/Studio, W - Written University Examination, J - Jury, C.A. - Continuous Assessment.

EIGHTH SEMESTER												
Course Code	Subject	Group	Category	Credits	Hours Per Week **			Duration of Exam	Marks			
					L	T	P/S		W	J	C.A.	Total
AR 22-81	Architectural Design-V *	I	PC	12	0	1	11	0		200	300	500

AR 22-82	Urban Design	III	PC	3	3	0	0	3	100		50	150
AR 22-83	Elective-I	III	EC	3	3	0	0	3	100		50	150
AR 22-84	Building Economics & Sociology	III	PC	3	3	0	0	3	100		50	150
AR 22-85	Research Methodology	III	PC	3	3	0	0	3	100		50	150
AR 22-86	Environment Science in Architecture	III	PC	3	3	0	0	3	100		50	150
AR 22-87	Building Information Modelling	IV	EC	2	0	0	2				100	100
TOTAL				29	15	1	13		500	200	650	1350

* Evaluation by the Jury as per the B. Arch Degree Manual, L - Lecture, T - Tutorial, P/S - Practical/Studio, W - Written University Examination, J - Jury, C.A. - Continuous Assessment.

** One hour per week allotted to Library

Note:

One Hour Studio time of Building Services to be dedicated to apply knowledge to a design problem.

Elective I

AR 22-86-1 Barrier Free Architecture

AR 22-86-2 Graphic and Product Design

AR 22-86-3 Computational Design in Architecture

AR 22-86-4 Sustainable Cities and Communities

AR 22-86-5 Cost-effective Architecture

AR 22-86-6 Road Safety and Civic Sense

NINTH SEMESTER												
Course Code	Subject	Group	Category	Credits	Hours Per Week **			Duration of Exam	Marks			
					L	T	P/S		W	J	C.A.	Total
AR 22-91	Architectural Design-VI *	I	PC	12	0	1	11	0		200	300	500

AR 22-92	Human Settlement Planning	III	PC	3	3	0	0	3	100		50	150
AR 22-93	Construction & Project Management	III	PE	3	3	0	0	3	100		50	150
AR 22-94	Professional Practice	III	PE	3	3	0	0	3	100		50	150
AR 22-95	Elective-II	III	EC	3	3	0	0	3	100		50	150
AR 22-96	Dissertation	V	PE	3	0	3	0	3		100	100	200
TOTAL				27	12	4	11		400	300	600	1300

* Evaluation by the Jury as per the B. Arch Degree Manual, L - Lecture, T - Tutorial, P/S - Practical/Studio, W - Written University Examination, J - Jury, C.A. - Continuous Assessment.

**3 hours shall be allotted to Library/ Pre-Thesis Discussions

Elective II

AR 22-96-1 Disaster Mitigation and Management

AR 22-96-2 Green Buildings and Rating systems

AR 22-96-3 Architectural Conservation

AR 22-96-4 Building Performance and Compliance

AR 22-96-5 Services in High rise Building

TENTH SEMESTER												
Course Code	Subject	Group	Category	Credits	Hours Per Week			Duration of Exam	Marks			
					L	T	P/S		W	J	C.A.	Total
AR 22-101	Thesis *	V	PC	20	N.A.			0		300	300	600
TOTAL				20	N.A.			0		300	300	600

* Evaluation by the Jury as per the B. Arch Degree Manual, L - Lecture, T - Tutorial, P/S - Practical/Studio, W - Written University Examination, J - Jury, C.A. - Continuous Assessment.

SEMESTER WISE CREDIT DISTRIBUTION										
Semester	1&2	3	4	5	6	7	8	9	10	Total
Credits	58	29	28	29	29	20	29	27	20	269