

# MASTER OF ARCHITECTURE: LANDSCAPE ARCHITECTURE

DURATION: TWO YEARS FULL TIME (Four Semesters)

## PART B: SCHEME

### 1. SCHEME OF THE PROGRAMME

The set of Regulations for Master of Architecture (Full Time: Two Years) stipulated is appended by the Scheme, the clauses of which are also mandatory.

### 2. PROGRAMME STRUCTURE

2.1. The Programme has been designed in four semesters of equal credits, for duration of two years. The course structure consists of **Studio Courses, Core Courses, Electives, Professional Training, Dissertation and Thesis.**

2.2. All courses of the M. Arch Degree Course in Landscape Architecture as per the Programme Structure, Scheme and Syllabi are grouped into four groups as stated below:

**Group I (a):** Courses having evaluation through CA and having a Final Jury conducted by a team consisting of an Internal Juror and an External Juror. The External Juror shall be from among the core faculty of any other B.Arch. institution who possess a Post Graduate Degree in Landscape Architecture or a practicing Landscape Architect, registered with the Council of Architecture.

**Group I (b):** Courses having evaluation through CA and having a Final Jury conducted by a team of Internal Jurors.

**Group II:** Courses having evaluation through CA and University theory Examination

**Group III:** Research Methodology and Dissertation

**Group IV:** Landscape Design Thesis

2.3. CA marks shall be awarded as per the following norms for each group as given below:

<b>Group I (a):</b>	Assignments	80%
	Attendance	20%
<b>Group I (b):</b>	Assignments	80%
	Attendance	20%
<b>Group II</b>	Assignments	30%
	Written exam	50%
	Attendance	20%
<b>Group III</b>	As per Scheme	
<b>Group IV</b>	As per Scheme	

- 2.4. The CA marks allotted for attendance for any course shall be awarded full only if a student has secured 90% attendance in the course. Proportionate reduction will be made in the case of course(s) in which he/she gets below 90% of the attendance for the course(s).

### **3. GROUP I(a) COURSES**

#### **3.1. Landscape Design I,II & III and Landscape Engineering I & II**

- 3.1.1. The Evaluation shall be based on Continuous Assessment (CA) and Final Jury as specified in clause Scheme Clauses 2.2. and 2.3.
- 3.1.2. Eligibility for a candidate to appear for the Final Jury is based on attendance and CA marks.(Refer Regulations Clause 11).
- 3.1.3. The Final Jury shall consist of the following three stages of evaluation:
- a. Final Jury portfolio and model evaluation.
  - b. Final Jury Viva voce.
- 3.1.4. Supplementary chances shall be provided for students who have appeared for the Final Jury and have not passed the same as per the Regulations.
- 3.1.5. The marks for the Continuous Assessment shall be awarded by the course in charge as per Scheme clause 2.3.
- 3.1.6. The CA marks and the Attendance obtained by the students shall be officially published twice— mid-semester and at the end of all semesters. The final CA marks shall be published at least one day before the Final Jury.
- 3.1.7. For the conduct of the Final Jury/Make-up Jury, the head of the teaching Institution shall nominate, an External Juror as well as an Internal Juror (avoiding repetition), and release appointment letters to them under intimation to the University. One External Juror and one Internal Juror shall conduct the Final Jury/Make-up Jury, for a batch of 20 or less students.
- 3.1.8. The Internal Juror shall be a member from among the core faculty of the teaching institution other than the faculty member who evaluated the work for awarding the internal marks.
- 3.1.9. The External Juror shall be from among the core faculty of any other B.Arch. teaching institutions or an Architect registered with the Council of Architecture, incorporated under Architect's Act 1972 (in both cases with not less than 5-year experience after the date of COA registration).He/ She shall be a landscape architect and possess a minimum of five years teaching/practical experience after Post Graduation in same specialization.
- 3.1.10. The Faculty-in-charge of the course shall submit a Pre-Jury Report consisting of the details pertaining to the assignments given and its objectives as well as weightage given

to each work to the Head of the Teaching Institution, who shall forward the same to the identified Juror Team at least one week before the commencement of the Final Jury/Make-up Jury.

- 3.1.11. The overall split up, with a suitable scheme of evaluation, of the Final Jury/Make-up Jury marks shall be as stated below:
  - a. For Landscape Design I, II & III
    - Landscape Design Portfolio – 90%
    - Viva Voce – 10%
  - b. For Landscape Engineering I & II,
    - Landscape Engineering Portfolio – 80%
    - Viva Voce – 20%
- 3.1.12. Students shall be physically present during the Final Jury/Supplementary Jury and explain their work done.
- 3.1.13. The External and Internal Jurors shall have equal weightage in the joint evaluation process.
- 3.1.14. The Final Jury members shall submit the consolidated marks to the Head of the teaching institution on the last day of Jury.
- 3.1.15. The Final Jury marks shall be published not later than the next working day.
- 3.1.16. Any student(s) who appeared for the Final Jury and could not get 50 % aggregate mark (CA marks + Jury) shall be provided a Supplementary chance/s as per University Rules. In the supplementary chance such student(s) shall get an opportunity to present his/her improved portfolio and physical models along with the original ones already presented in the Final Jury and get them reevaluated by another panel of Jurors comprising of a different External Juror and a different Internal Juror. The student(s) concerned shall submit all the materials to be evaluated in the Supplementary Jury before 4 pm on the previous working day of the Supplementary Jury date. The maximum mark a student can score during the Make-up Jury shall be just enough to make him/her get a pass for the course i.e. not more than 50%.

#### **4. GROUP I(b) COURSES**

##### **4.1. Remote Sensing, Land Information Systems and GIS**

- 4.1.1. The Evaluation shall be based on Continuous Assessment (CA) and Final Jury as specified in clause Scheme Clauses 2.2. and 2.3.
- 4.1.2. Eligibility for a candidate to appear for the Final Jury is based on attendance and CA marks. (Refer Regulations Clause 11).

- 4.1.3. The marks for the Continuous Assessment shall be awarded by the course in charge as per Scheme clause 2.3.
- 4.1.4. For every batch of 40 or less students, the Head of the teaching institution shall nominate a two-member Jury panel from the faculty (other than the faculty member who evaluated the work for awarding the CA marks) of the teaching institution.
- 4.1.5. Students shall submit the portfolio consisting of the assignments done for the course during the course period, with the approval of the faculty-in-charge of the course on the previous working day of the commencement of the Jury (not later than 3pm).
- 4.1.6. The faculty-in-charge of the course shall submit a report consisting of the details of assignments given and its objectives and weightage given to each work to the Head of the Teaching Institution, who in turn will forward it to the Jury Panel. The Jurors will evaluate the portfolio and other relevant materials on the basis of the report.
- 4.1.7. The Internal Jurors shall have equal weightage in the joint evaluation process.
- 4.1.8. Students shall be physically present and explain their work to the Jury members at the time of evaluating their work.
- 4.1.9. The split up of the evaluation shall be as stated below:
  - Portfolio/Test – 80%
  - Viva Voce – 20% (related to the various projects/work done during the particular semester).
- 4.1.10. Students who could not score a minimum of 50% for the course shall repeat the Jury as a supplementary chance along with the next odd/even batch(es) of students with an improved portfolio.
- 4.1.11. The Jury members shall submit the consolidated marks to the Head of the teaching institution on the last day of Final Jury Evaluation.
- 4.1.12. The Jury marks shall be published on the next working day.

#### **4.2. Elective ( Workshop)**

- 4.2.1. During Semester II the students are offered Workshop Based Elective Course as prescribed in the Program Structure and Syllabi. For workshop based elective courses, students need to undergo the coursework as mentioned in the syllabus. The course culminates with a workshop, undertaken by the students, for a period of one week with nurseries, specific agencies, organisations etc. with prior approval from Programme Coordinator. Alternatively workshop may be conducted in the Institution also. By the end of the semester students need to come up with a report on the work they have undertaken in the particular semester, including a report on the workshop.

- 4.2.2. Self-initiatives and participation in specific student learning exposures, both within and outside the campuses are encouraged.
- 4.2.3. The Evaluation shall be based on Continuous Assessment (CA) and Final Jury as specified in clause Scheme Clauses 2.2. and 2.3.
- 4.2.4. Eligibility for a candidate to appear for the Final Jury is based on attendance and CA marks.(Refer Regulations Clause 11).
- 4.2.5. The marks for the Continuous Assessment shall be awarded by the course in charge as per Scheme clause 2.3.
- 4.2.6. For every batch of 20 or less students, the Head of the teaching institution shall nominate a two-member Jury panel from the faculty (other than the faculty member who evaluated the work for awarding the CA marks) of the teaching institution.
- 4.2.7. Students shall submit the portfolio consisting of the assignments done for the course during the course period and the report on the workshop undertaken, with the approval of the faculty-in-charge of the course on the previous working day of the commencement of the Jury (not later than 3pm).
- 4.2.8. The course-in-charge of the course shall submit a report consisting of the details of assignments given and its objectives and weightage given to each work to the Head of the Teaching Institution, who in turn will forward it to the Jury Panel. The Jurors will evaluate the portfolio and other relevant materials on the basis of the report.
- 4.2.9. The Internal Jurors shall have equal weightage in the joint evaluation process.
- 4.2.10. Students shall be physically present and explain their work to the Jury members at the time of evaluating their work.
- 4.2.11. The split up of the evaluation shall be as stated below:
  - Portfolio/Test – 80%
  - Viva Voce – 20% (related to the various projects/work done during the particular semester).
- 4.2.12. Students who could not score a minimum of 50% for the course shall repeat the Jury as a supplementary chance along with the next odd/even batch(es) of students with an improved portfolio.
- 4.2.13. The Jury members shall submit the consolidated marks to the Head of the Teaching Institution on the last day of Final Jury Evaluation.
- 4.2.14. The Jury marks shall be published on the next working day.

#### 4.3. Landscape Appreciation

- 4.3.1. During Semester II, the students shall select a case study as approved by the course- in charge, specified in the course plan. The case study may be a designed landscape project or a natural landscape, or both and the students shall do a critical appraisal of the same. Monthly seminars shall be conducted and evaluated by the course in charge for CA, as per the course plan. For the final jury, the students shall submit a detailed report and present the same as a seminar.
- 4.3.2. The Evaluation shall be based on Continuous Assessment (CA) and Final Jury as specified in clause Scheme Clauses 2.2. and 2.3.
- 4.3.3. Eligibility for a candidate to appear for the Final Jury is based on attendance and CA marks.(Refer Regulations Clause 11).
- 4.3.4. The marks for the Continuous Assessment shall be awarded by the course in charge as per Scheme clause 2.3.
- 4.3.5. For every batch of 20 or less students, the Head of the teaching institution shall nominate a two-member Jury panel from the faculty (other than the faculty member who evaluated the work for awarding the CA marks) of the teaching institution.
- 4.3.6. The course-in-charge of the course shall submit a report consisting of the details of assignments given and its objectives and weightage given to each work to the Head of the Teaching Institution, who in turn will forward it to the Jury Panel.
- 4.3.7. The Jurors shall evaluate the report and the seminar. The split of Final Evaluation shall be as follows:
  - Seminar- 50%
  - Report – 40%
  - Viva Voce – 10%
- 4.3.8. The Internal Jurors shall have equal weightage in the joint evaluation process.
- 4.3.9. Students shall be physically present and explain their work to the Jury members at the time of evaluating their work.
- 4.3.10. Students who could not score a minimum of 50% for the course shall repeat the Jury as a supplementary chance along with the next odd/even batch(es) of students with an improved portfolio.
- 4.3.11. The Jury members shall submit the consolidated marks to the Head of the Teaching Institution on the last day of Final Jury Evaluation.
- 4.3.12. The Jury marks shall be published on the next working day.

#### 4.4. Professional Training

- 4.4.1. Professional Training under a practicing Landscape Architect or as a Research Associate with a Landscape Architecture Faculty, with the same specialization, is a necessary component of the Programme, which equips the student with the practical aspects/ research base, offering the required exposure to the realm of the profession and research, before he/she takes up the Thesis.
- 4.4.2. The training shall be under a Landscape Architect and approved by the Head of the Teaching Institution. The student shall select A Landscape Architect with good experience and reputation in the field of Landscape Architectural practice for practical training and the same should be approved by the head of the Teaching Institution in advance before the commencement of the II semester university examination.
- 4.4.3. The Architect/Research Associate shall possess a valid COA Registration, and shall have minimum five years of experience in the Landscape Architecture after Post Graduation. He/She should not be an architect employed in the Public sector or a regular faculty member of the Teaching Institution or immediate relative of any regular faculty member of the Teaching Institution. The Architect shall not be a relative of the trainee also. Further the training firm shall in no way be associated with the Teaching Institution.
- 4.4.4. Students may also select internationally recognized Architects practicing outside India, with the approval of the teaching Institution.
- 4.4.5. Type of works to be carried out during training period. The students are expected to get exposure in the following aspects:
  - Involvement in the Design process
  - Site visit and Site Supervision.
  - Preparation of working drawings.
  - Preparation of estimates, specifications, contract documents, and tender documents.
  - Discussion with clients and other consultants.
- 4.4.6. Work report: The students shall obtain a report of the work done to the course-in charge of Professional Training of the Teaching Institution. The report shall be duly signed by the Landscape Architect or an authorized officer supervising the work in the format prescribed by the teaching institution.
- 4.4.7. The Evaluation shall be based on Continuous Assessment (CA) and Final Jury as specified in clause Scheme Clauses 2.2. and 2.3.

- 4.4.8. Eligibility for a candidate to appear for the Final Jury is based on attendance and CA marks.(Refer Regulations Clause 11).
- 4.4.9. The marks for the Continuous Assessment shall be awarded by the course in charge as per Scheme clause 2.3.
- 4.4.10. The assignments shall include Work Dairy, Work Report and Portfolio.
- 4.4.11. The Final Jury evaluation of the Professional Practice shall be conducted at the end of III semester.
- 4.4.12. At the end of the Professional training period, the students shall submit to the Teaching Institution a portfolio as specified by the institution. This shall consist of the complete report of their work done during the entire training period illustrated with sketches, prints and other documents related to the projects on which he/she has involved both in office and at site, a work diary, original of the work report, a certificate regarding their conduct and performance of work done during the training period and regarding the successful completion of training under the approved Architect /Firm. In the absence of the above documents students shall not be permitted to appear for the final evaluation.
- 4.4.13. The split up of the evaluation shall be as stated below:
- Portfolio, Work Diary, work report– 80%
  - Viva Voce – 20% (related to the various projects/work done during the particular semester).
- 4.4.14. For every batch of 40 or less students, the Head of the teaching institution shall nominate a two-member Jury panel from the faculty (other than the faculty member who evaluated the work for awarding the CA marks) of the teaching institution.
- 4.4.15. The Jurors shall evaluate the portfolio and other relevant materials to check the qualitative achievement of the student during the Professional training period.
- 4.4.16. The Internal Jurors shall have equal weightage in the joint evaluation process.
- 4.4.17. Students shall be physically present and explain their work to the Jury members at the time of evaluating their work.
- 4.4.18. Students who could not score a minimum of 50% for the course shall repeat the Professional training and appear for the Jury along with the next batch(es) of students with an improved portfolio.
- 4.4.19. The Jury members shall submit the consolidated marks to the Head of the teaching institution on the last day of Final Jury Evaluation.
- 4.4.20. The Jury marks shall be published on the next working day.



## **5. GROUP II COURSES**

### 5.1.1. The Group II Courses Include

- Semester I: Theory of Landscape Architecture-I; Plant Systematics, Processes and Horticultural Practice; Geology, Soils & Geomorphology; Hydrology and Water Management
- Semester II: Theory of Landscape Architecture-II; Plants and Design; Landscape Ecology and Ecosystem Analysis
- Semester III: Urban Landscape; Environmental legislations and Economics; Professional Practice; Elective Theory (Landscape Conservation, Planning and Management; Sustainable Landscapes; Landscape Restoration)

5.1.2. The Evaluation shall be based on Continuous Assessment (CA) and University Examination (UE) as specified in clause Scheme Clauses 2.2. and 2.3.

5.1.3. Eligibility for a candidate to appear for the University Examination (UE) is based on attendance and CA marks.(Refer Regulations Clause 11).

5.1.4. The marks for the Continuous Assessment shall be awarded by the course in charge as per Scheme clause 2.3.

5.1.5. Conduct and valuation of the University Examination shall be carried out as mentioned in the Regulation Clause 12 and 13.

## **6. GROUP III : RESEARCH METHODOLOGY AND DISSERTATION**

6.1. In the third semester, the students shall choose a topic of interest for dissertation and shall carry out an independent research on a focused research question/ hypothesis, under the guidance of a faculty member, assigned by the Head of the Department/ Teaching Institution. Students have to register for the Dissertation and select a topic in consultation with the guide. A detailed synopsis on the topic of the dissertation is to be prepared in the prescribed format given by the Teaching Institution.

6.2. Continuous Assessment shall be done by the Guide and the Course in Charge as prescribed in the Course Plan.

6.3. Eligibility for a candidate to appear for the Final Jury is based on attendance and CA marks. (Refer Regulations Clause 11).

6.4. The Final Jury shall be done as jury that is planned twice during the semester; An Interim Evaluation in the middle of the semester and the Final Evaluation at the end.

6.5. The Evaluation of the Final Jury shall be based on the dissertation presentation, dissertation report and technical paper.

- 6.6. For the conduct of the Interim Jury and Final Jury/Supplementary Jury, the head of the teaching Institution shall nominate, an External Juror as well as an Internal Juror (avoiding repetition), and release appointment letters to them under intimation to the University. One External Juror and one Internal Juror shall conduct the Final Jury/Make-up Jury, for a batch of 20 or less students.
- 6.7. The External and Internal Jurors shall have equal weightage in the joint evaluation process.
- 6.8. The Internal Juror shall be a member from among the core faculty of the teaching institution other than the faculty member who evaluated the work for awarding the internal marks.
- 6.9. The External Juror shall be from among the core faculty of any other B.Arch. teaching institutions or an Architect registered with the Council of Architecture, incorporated under Architect's Act 1972 (in both cases with not less than 5-year experience after the date of COA registration). He/ She shall be a landscape architect and possess a minimum of five years teaching/practical experience after Post Graduation in same specialization.
- 6.10. The Faculty-in-charge of the course shall submit a Pre-Jury Report consisting of the details pertaining to the assignments given and its objectives as well as weightage given to each work to the Head of the Teaching Institution, who shall forward the same to the identified Juror Team at least one week before the commencement of the Final Jury/Make-up Jury.
- 6.11. The overall split up, with a suitable scheme of evaluation, of the Final Jury/Make-up Jury marks shall be as stated below:
- Dissertation Presentation – 30%
  - Dissertation Report – 40%
  - Technical Paper-30%
- 6.12. Students shall be physically present during the Final Jury/Supplementary Jury and explain their work done.
- 6.13. Supplementary chances shall be provided for students who have appeared for the Final Jury and have not passed the same as per the Regulations.
- 6.14. The CA marks and the Attendance obtained by the students shall be officially published twice – mid-semester and at the end of the semester. The final CA marks shall be published at least one day before the Final Jury.
- 6.15. The Final Jury members shall submit the consolidated marks to the Head of the teaching institution on the last day of Jury.
- 6.16. The Final Jury marks shall be published not later than the next working day.

6.17. Every student shall get their paper reviewed and send the same, for publication in a journal or for presentation in a conference.

## **7. GROUP IV: LANDSCAPE ARCHITECTURE THESIS**

7.1. In the fourth semester, the students shall chose a topic of interest for Thesis, preferably related to the dissertation work done in the third semester, in consultation with the guide.

7.2. The Head of the Teaching Institution shall allot a guide for each student considering the nature of the work and specialization of the faculty member at the beginning of III semester.

7.3. As far as possible student's preference may also be considered before allotting the guide. Students admitted to the III semester shall submit their choices of their thesis project within a month after the commencement of the IIIrd semester classes in consultation with the guide.

7.4. Students shall obtain approval for the project of Landscape Architecture Thesis from Teaching Institution.

7.5. Final evaluation of the thesis shall be taken up only if the student has earned all course credits listed in the first two semesters and earned a minimum of 45% marks in the Continuous Assessment.

7.6. The duration of the Landscape Architecture Thesis will be six months from the date of commencement of the IV Semester M. Arch Degree Course.

7.7. The thesis shall be an **original work** and the same could be design centric or planning centric or research centric with some design component but the focus can vary as per the scale and type of the project.

7.8. Students are required to maintain a work diary of the thesis work.

7.9. All students are required to schedule their thesis work, get it approved by the guide, at the beginning of the IV semester and submit a copy of the same to the thesis coordinator nominated by the Head of the Teaching Institution.

7.10. Internal evaluation of the thesis work is to be evaluated during the fourth semester, at least THRICE, by a two member committee consisting of an internal faculty other than the Guide and an external expert constituted by the Head of the Department/ Teaching Institution.

7.11. The External expert shall be a Landscape Architect who possess a valid COA Registration, and shall have a minimum of eight years of experience after Post graduation IN Landscape Architecture.

- 7.12. The progress shall be assessed by the Jury periodically through a minimum of three stages of reviews, the dates of which will be published by the Teaching Institution before the commencement of the IV semester.
- 7.13. Each review shall be graphical (including models) and oral presentation.
- 7.14. Students have to obtain a total of 50% marks combining all the stages of reviews to become eligible for the external Jury. Those who do not become eligible to appear for the External Jury shall have to repeat the course fully with the next batch(es) of students.
- 7.15. Split up of marks for internal evaluation shall be done as specified in the course plan.
- 7.16. The following Documents shall be submitted for the External evaluation Final 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 along with the final submission in A3 size format.
  - Two copies of the Final Report A3 size format shall be submitted on the date and time announced by the Teaching Institution.
- 7.17. The total sheets submitted shall not exceed 30 (thirty) A1 size sheets. These shall be submitted as per the schedules published by the University.
- 7.18. Physical Models shall be submitted on the date of Viva Voce examination, at least by 8 am.
- 7.19. The format and other instructions regarding the schedule of reviews, preparation of the bound volumes of Data Collection, Final Report, Final Sheets, Model, etc. will be announced by the Teaching Institution.
- 7.20. For the conduct of Final evaluation, the University shall appoint a Chairman from among the Heads/Senior most Professors in Architecture of the Teaching Institutions, on a rotation basis. The Chairman shall prepare a provisional list of External and Internal Jurors from the same stream, one each for every 10 students, for the conduct of External Jury, and submit to the University for Ratification and release of appointment letters. The External Juror shall have a minimum of 10 years practical/teaching experience after registration with COA and minimum of eight years teaching/practical experience in the particular stream after Post Graduation. The External Jury consisting of one External Juror and one Internal Juror appointed by the University shall conduct the Thesis and Viva Voce Examination, as per the University declared Schedule.
- 7.21. The Chairman shall visit the venues of External evaluation in all the centers and carry out a random verification of the evaluation being carried out by the other Jury members. The Jury members (excluding the chairman) shall submit the consolidated marks to the

Chairman on the last day of Viva Voce and the Chairman should submit the mark sheet directly to the University.

7.22. Students shall secure 40% of marks in the external Jury and 50% aggregate (Internal +for successfully completing the thesis and Viva voce.

7.23. Supplementary chances shall be given to the students who failed in the final Jury as per University Norms.