

TEACHING SCHEME & EXAMINATION

FOURTH YEAR SEVENTH SEMESTER

B.ARCHITECTURE

Code	Subject	HOURS / WEEKS					Exam	Viva	T.W	Total
		L	S	WS LAB	F T	Total				
AR-701	DESIGN STUDIO - VII (Office Training)	-	-	-	-	-	-	-	400	400
AR-702	Design Report	-	-	-	-	-	-	-	200	200
	TOTAL	-	-	-	-	30	-	-	600	600

- Electives are treated as AUDIT SUBJECT of 100 marks each, with 50% required for passing. The marks obtained in Elective subject shall not be added towards aggregate total of the mark sheet.

FOURTH YEAR EIGHTH SEMESTER

B.ARCHITECTURE

Code	Subject	HOURS / WEEKS					Exam	Viva	T.W	Total
		L	S	WS LAB	F T	Total				
AR-801	Design Studio - VIII	-	18	-	-	18	-	-	800	800
AR-802	Advanced Construction	2	-	-	-	2	100	-	100	200
AR-803	Design Seminar I	2	2	-	-	4	-	50	50	100
AR-804	Construction Project Management	2	-	-	-	2	50	-	50	100
AR-805*	Elective – VII	2	-	-	-	2	-	-	-	-
AR-806*	Elective – VIII	2	-	-	-	2	-	-	-	-
AR-807	Field Trips & M.D. Camps	-	-	-	-	-	-	-	-	-
	TOTAL	10	20	-	-	30	150	50	1000	1200

- Electives are treated as AUDIT SUBJECT of 100 marks each, with 50% required for passing. The marks obtained in Elective subject shall not be added towards aggregate total of the mark sheet.

**FIFTH YEAR
NINTH SEMESTER**

B.ARCHITECTURE

Code	Subject	HOURS / WEEKS					Exam	Viva	T.W	Total Marks
		L	S	WS LAB	F T	Total				
AR-901	Design Studio-IX	-	16	-	-	16	-	-	800	800
AR-902	Research Report	-	4	-	-	4	-	50	150	200
AR-903	Design Seminar II	2	2	-	-	4	-	50	50	100
AR-904	Programming & Site Planning	2	-	-	-	2	50	-	50	100
AR-905*	Elective IX	2	-	-	-	2	-	-	-	-
AR-906*	Elective X	2	-	-	-	2	-	-	-	-
	TOTAL	8	22	-	-	30	50	100	1050	1200

- Electives are treated as AUDIT SUBJECT of 100 marks each, with 50% required for passing. The marks obtained in Elective subject shall not be added towards aggregate total of the mark sheet.

**FIFTH YEAR
TENTH SEMESTER**

B.ARCHITECTURE

Code	Subject	HOURS / WEEKS					Exam	Viva	T.W	Total Marks
		L	S	WS LAB	F T	Total				
AR-1001	Design Thesis	-	24	-	-	24	-	-	1100	1100
AR-1002	Professional Practice	2	-	-	-	2	50	-	50	100
AR-1003*	Elective XI	2	-	-	-	2	-	-	-	-
AR-1004*	Elective XII	2	-	-	-	2	-	-	-	-
	TOTAL	6	24	-	-	30	50	-	1150	1200

- Electives are treated as AUDIT SUBJECT of 100 marks each, with 50% required for passing. The marks obtained in Elective subject shall not be added towards aggregate total of the mark sheet.
- Student shall be awarded final degree certificate when he shall have passed/cleared stage-2 electives by obtaining minimum passing marks.

CURRICULUM OUTLINE FOR B.ARCHITECTURE

FOURTH YEAR SEVENTH SEMESTER

B.ARCHITECTURE

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		L	S	WS LAB	F T	Total				
AR-701	DESIGN STUDIO - VII (Office Training)	-	-	-	-	-	-	-	400	400
AR-702	Design Report	-	-	-	-	-	-	-	200	200
	TOTAL	-	-	-	-	30	-	-	600	600

- Electives are treated as AUDIT SUBJECT of 100 marks each, with 50% required for passing. The marks obtained in Elective subject shall not be added towards aggregate total of the mark sheet.
- Min. 16 weeks of training with a registered Professional Architectural Firm.

AR- 701

DESIGN STUDIO – VIII OFFICE TRAINING

FOCUS:

- Expose the students to Architectural profession to understand the process including conception to execution of project.

CONTENTS:

- Min 16 weeks of training with a registered Architectural firm.
- Understating of Professional Practice methods in Architectural firm.
- Develop Client contacts to production of documents, tendering drawing, site supervision, coordinating various agencies.

EVALUATION:

- Office Report
- Complete documentation & analysis of all projects including construction details, working drawings, documentation of projects

AR-702

DESIGN REPORT

FOCUS:

Express verbally and visually, analysis and synthesis of the data collected

CONTENTS:

The student is supposed to work during the training period on themes in the city, where he works, on areas of public concern and issues related to design such as:

- Architectural or Urban design or Historical structures in the region
- Site layout or landscaping issues
- Structural or construction systems
- Building services systems and integration
- Conservation or Adaptive reuse

EVALUATION:

At the end of the semester the students should submit printed and digital versions of the report

**FOURTH YEAR
EIGHTH SEMESTER**

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AR-803	Design Seminar I	2	2	-	-	4	-	50	50	100
AR-804	Construction Project Management	2	-	-	-	2	50	-	50	100
AR-805*	Elective – VII	2	-	-	-	2	-	-	-	-
AR-806*	Elective – VIII	2	-	-	-	2	-	-	-	-
AR-807	Field Trips & M.D. Camps	-	-	-	-	-	-	-	-	-
	TOTAL	10	20	-	-	30	150	50	1000	1200

AR – 801

DESIGN STUDIO – VIII

FOCUS:

- Understand urban contexts and design response
- Understand new infrastructure needs

CONTENTS:

- Urban insertion in old city
- Design of new facilities for a metropolis

PROJECT:

- Medium size buildings and campus planning for urban functions

AR – 802

ADVANCED CONSTRUCTION

FOCUS:

- Study of advance construction systems with Architecture context.
- To allow detailing of various areas of interest of individual student.

CONTENTS:

- Building Failure of R.C.C Structure and its remedies
- Disaster Prone Building and different Method of Repairs
- Structural Cracks Construction Chemicals
- Swimming pool Design and Detailing

PROJECT:

Designing a swimming pool with detailed drawings.

AR – 803

DESIGN SEMINAR I

FOCUS:

Design Theory II will further explore significant design and theoretical issues in the design discipline and practice. The course will consist of lectures and investigations by the students of existing literature and case studies.

CONTENTS:

The student is supposed to explore the significance of urban design approaches and related issues such as

- Architecture for Urban Infrastructure
- Globalisation and its significance for urban living
- Digital techniques for developing forms
- Integrating Services with the design of a building and a campus

EVALUATION:

Presentation of design issues and case studies with relevant drawings, models and texts.

AR – 804

CONSTRUCTION PROJECT MANAGEMENT

FOCUS:

Techniques for planning and implementation of construction projects.

CONTENTS:

- Nature of construction projects, need for proper planning and management processes and equipment used.
- Techniques for scheduling: Bar chart, Net working diagram, and project evaluation and review techniques, Critical Path Method.
- Practical implementation and use of PERT & CPM to typical construction projects.
- Maintenance of records, bills, and method of making payments.

AR-805

ELECTIVE VII

FOCUS:

To help students to explore their aptitudes and develop skills in any related field. A number of subjects can be offered depending on the faculty interests and availability.

CONTENTS:

Students may register for any one of the offered courses for the semester as shown in the appendix.

AR-806

ELECTIVE VIII

FOCUS:

To help students to explore their aptitudes and develop skills in any related field. A number of subjects can be offered depending on the faculty interests and availability.

CONTENTS:

Students may register for any one of the offered courses for the semester as shown in the appendix.

AR – 807

FIELD TRIPS & MEASURE DRAWINGS CAMPS

FOCUS:

Study of new and old buildings in their contexts for appreciation and critical evaluation as well as introduce various issues to the students by interacting with common people

CONTENTS:

Sites and buildings will be selected in order to complement studies undertaken in various subjects: Design Studio, Construction, History of Architecture, Landscape, Urban Design etc.

**FIFTH YEAR
NINTH SEMESTER**

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AR-902	Research Report	-	4	-	-	4	-	50	150	200
AR-903	Design Seminar II	2	2	-	-	4	-	50	50	100
AR-904	Programming & Site Planning	2	-	-	-	2	50	-	50	100
AR-905*	Elective IX	2	-	-	-	2	-	-	-	-
AR-906*	Elective X	2	-	-	-	2	-	-	-	-
	TOTAL	8	22	-	-	30	50	100	1050	1200

AR – 901

DESIGN STUDIO IX

FOCUS: Design Studio will test the students' ability to quickly analyze, conceptualize and resolve various theoretical positions in real contexts

CONTENTS: The student is supposed to explore significance of new technologies, innovative design processes, materials, and related issues such as

- Green design
- Sustainable living
- New materials
- Prefabrication

The project will involve unit design and cluster planning for housing incorporating some of the above concerns

EVALUATION: Presentation of design interpretation of the concepts with relevant drawings, models.

AR-902

RESEARCH REPORT

FOCUS: Research Report is intended to evaluate the student's capacity to understand, analyze & resolve complex issues related to Architecture and environment. The student is supposed to learn how to express verbally and visually, analysis and synthesis of the data.

CONTENTS:

- Critical analysis of data collected
- Presentation of the analysis
- Refining of the report based on the feed-back from the guide

EVALUATION: Final presentation shall be done as a report (in printed and digital version) with

- Contents including all chapters with text, sketches, drawings and photographs
- Hypothesis, case studies, interviews, observations, inferences etc.
- Synopsis of the research with a Power-point presentation

AR – 903

DESIGN SEMINAR

- FOCUS:** Design Seminar will explore significant design and theoretical issues in the design discipline and practice. The course will consist of lectures and investigations by the students of existing literature and case studies.
- CONTENTS:** The student is supposed to explore the significance of contemporary design approaches and related issues such as
- Urban issues
 - Psychological and symbolic dimensions of built spaces
 - Responsive Design-- Nature, Man and Technology
 - Design values for heritage, ecology and culture
- EVALUATION:** Presentation of design issues and case studies with relevant drawings, models and texts.
-

AR – 904

ARCHITECTURAL PROGRAMMING AND SITE PLANNING

- FOCUS:** To understand physical, psychological, cultural dimensions of an architectural project and how to interpret them in an architectural design.
- CONTENTS:** Quantifying and qualifying aspects of the programme and methods to determine and represent them.
Preparing of area requirements and understanding the urban, historical, ecological and regional contexts

Preparation of site layouts for a large campus keeping in mind infrastructure, road layouts, analysis of contours
- EVALUATION:** Architectural programme with physical, psychological and cultural aspects and with detailed area statements.
-
- Site layouts for a large campus for housing, industry or academic functions
-

AR-905

ELECTIVE IX

- FOCUS:** To help students to explore their aptitudes and develop skills in any related field. A number of subjects can be offered depending on the faculty interests and availability.
- CONTENTS:** Students may register for any one of the offered courses for the semester as shown in the appendix.

AR- 906

ELECTIVE X

- FOCUS:** To help students to explore their aptitudes and develop skills in any related field. A number of subjects can be offered depending on the faculty interests and availability.
- CONTENTS:** Students may register for any one of the offered courses for the semester as shown in the appendix.

**FIFTH YEAR
TENTH SEMESTER**

B. ARCHITECTURE

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AR-1002	Professional Practice	2	-	-	-	2	50	-	50	100
AR-1003*	Elective XI	2	-	-	-	2	-	-	-	-
AR-1004*	Elective XII	2	-	-	-	2	-	-	-	-
	TOTAL	6	24	-	-	30	50	-	1150	1200

AR – 1001

***DESIGN STUDIO X
DESIGN THESIS***

FOCUS: The undergraduate design thesis is intended to evaluate the student's capacity to understand, analyze and resolve complex issue related to Architecture.

CONTENTS: The student is supposed to work under the guidance of internal / external guide in the areas of public concern & related issues such as

- Architectural Programming and Interpretation of the contexts
- Urban design issues and Conservation.
- Movement network & circulation.
- Landscaping.
- Ordering themes / Ideas / Concepts.
- Perception of spaces
- Psychology & Human behavior.

EVALUATION: Presentation of final design with drawings, models and case studies with a report (both in printed and in digital format) to the external Jury and guide

AR – 1002

PROFESSIONAL PRACTICE

FOCUS: The students shall be made aware of the code of professional conduct and law regarding the Architectural profession. They will be trained for the office practices.

CONTENTS:

- Role of an architect, responsibilities and liabilities
- Architects Act 1972 and registration and relationship with Council of Architecture India.
- Work and Scale of professional charges, mode of working and payments
- Architectural competitions, Valuation of properties, Tendering, contract document and article of agreement,
- Office management
- Arbitration- settling of disputes etc.

EVALUATION: Provision of ready references and Performa. Preparation of dummy documents

AR - 1003

ELECTIVE XI

FOCUS: To help students to explore their aptitudes and develop skills in any related field. A number of subjects can be offered depending on the faculty interests and availability.

CONTENTS: Students may register for any one of the offered courses for the semester as shown in the appendix.

AR - 1004

ELECTIVE XII

FOCUS: To help students to explore their aptitudes and develop skills in any related field. A number of subjects can be offered depending on the faculty interests and availability.

CONTENTS: Students may register for any one of the offered courses for the semester as shown in the appendix.