

Title: Curriculum Content- Course wise

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Program: Architecture		
Course Title: BUILDING CONSTRUCTION & MATERIALS - I		Course Code: 18AATC102
L-S-P: 0-6-0	Credits: 4	Contact Hours: 6
CIE Marks: 50	SEE Marks: 50	Total Marks: 100
Teaching Hours: 96	Examination Duration: NA	
<p>UNIT I: Basic building components, material convention, brick work & mortar building components - Introduction to and their functions in brief, like foundation, plinth, coping, DPC, floor, walls, lintels, D&W, weather shade, roof, parapet etc. Material convention- Convention of construction materials, like brick & stone masonry, timber, ply wood, steel, glass, concrete, mortar, metal etc, used for representing, in plan, section and elevations Tools- Introduction to various tools commonly used for excavation, masonry and carpentry works Bricks and blocks- Introduction to burnt clay bricks, properties of good bricks, molding methods, and application. Blocks used as an alternative to bricks, such as i) adobe (stabilized mud), ii) hollow clay, iii) cement concrete iv) fly ash v) autoclaved aerated concrete (AAC), etc. Brick masonry- Types of bonds used in brick masonry, for walls & pilasters of varying thickness. Mortar- Types, uses, & properties of bonding materials like clay, lime, cement, gypsum etc. Sources and qualities of good sand & alternatives in preparing mortars.</p>		
<p>UNIT II: Stone, stone masonry, foundation, plinth formation, lintels & arches Stones – Geological classification, types, properties and uses of stones for building. By-products of stones such as ballast, aggregate, graded crushed stone & powder (M- sand). Stone masonry- Types of bonds used in stone masonry. Foundation: Introduction to excavation- types & behavior of soil. Types of shallow foundations in brick and stone & purpose, for load bearing structure. Plinth formation- Construction and formation of plinth for building with masonry walls, using i) bricks ii) stones iii) CC blocks including refilling in and consolidation. Lintel and arches- Introduction to, types and functions for spanning of openings in building. Method of construction using various materials like stone slab, timber, metal, brick and stone masonry, concrete etc.</p>		
<p>UNIT III: Coping, dpc, plastering, guniting& cladding Coping & dpc- Introduction to and use of coping & DPC in building using various materials. Plastering – Types, preparation and application in interior & exterior, like i) mud ii) lime iii) cement iv) gypsum with different finishes. Guniting& grouting– To fill in cracks, voids in masonry, concrete and for repairs. Cladding – Using tiles such as clay, stone, decorative cement, etc. for walls & roof Note – The Portfolio covering the above topics shall be presented for Term work. Site visits shall be arranged by studio teacher. Study of material application shall be submitted in the form notes, sketches and photo brief as a part of portfolio</p>		
Scheme for Internal semester assessment (ISA)		
Regular Assignments, models.		
Term work: Evaluation of Portfolio, assignments by internal examiner		
Scheme for End Semester Assessment (ESA)–		
Term work: Evaluation of Portfolio, assignments by internal and external examiners		
Mode of assessment :Portfolio .		



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Text Books - Nil

Reference Books:

McKay J.K Building Construction Metric Vol 1-4, 4thedi Orient Longman Pvt. Ltd, Mumbai,2002

"Construction Technology" volume-I by R Chudley, ELBS & Longman group Ltd.

Barry R, "The construction of buildings" , Vol-2, 5th Edi, East West Press, New Delhi 1999.

Bindra S.P and Arora S.P, Building Construction-Planning Techniques and Method of Construction, 19thedi, Dhanpat Rai Pub ,NewDelhi, 2000

"Building Construction" by JanardhanJha, Khanna New-Delhi.

RangawalS.C , "Building Construction" 22nd Edi, charotar Publishing house, Anand, 2004

"Engineering Materials" by Surendra Singh, Vikas Delhi.

"Building Materials" by S K Duggal, IBH New Delhi.

Sushil Kumar T.B of Building Construction 19thedi, Standard Pub House, NewDelhi, 2003.

Chowdhary K.P. Engineering Materials used in India, 7th Edi, Oxford and IBH Pub ltd New Delhi, 1990.

Building Construction Hand book : By R Chudly& R Greeno, Bullerworth Heinemann, New-Delhi.

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Year:2018-23

Program : Architecture

Course Title: Skill Development Workshop- I

Course Code: 18AATC104

L-S-P: 0-2-0

Credits: 2

Contact Hours: 3

ISA Marks: 50

ESA Marks: 50

Total Marks: 100

Teaching Hours: 48

Examination Duration: NA

Course contents:

Unit-I:

Free hand and objects drawing: Observation and recording through free hand drawing by using various drawing and sketching tools like pencil, pen, charcoal crayons etc.

Architectural Model Making :Introduction to Basics of the Model making skills like cutting, pasting etc.

Unit-II

Architectural sketching: Drawing of human figures, vehicles, small buildings, furniture, simple and complex geometrical objects with an emphasis on the perception of details and expressing them in lines, colour texture etc.

Architectural Model Making: Introduction to Basics of the following associated skills to enhance and understand spatial, scale, material, and aesthetical requirements of design, construction and presentation.

Unit-III

PAINTING: Understanding of colour wheel, components , types of colour, colour schemes, value and intensity by using painting tools and materials like brushes, paper, water color, poster colour etc.

Sessional Work (Internal semester assessment)

Regular Assignments, Architectural sketches, drawings and models

Scheme for Semester End Assessment (ESA)

Term work: Evaluation of Portfolio, assignments by internal and external examiners

Mode of assessment: Portfolio/ Models.

References: Book: Robert Gill: Rendering with pen & ink, Thames & Hudson New York 1984. Robert Gill: Basic Rendering, Thames& Hudson New York 1991. John Chen: Architecture in pen & ink, McGraw-Hill Inc- USA 1995. Colin Saxton: Art School, Chart well Books Inc New Jersey.



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Year:2018-23

Program : Architecture

Course Title: Prehistoric Architecture

Course Code: 18AATC105

L-S-P: 2-0-0

Credits: 2

Contact Hours: 2

ISA Marks: 50

ESA Marks: 50

Total Marks: 100

Teaching Hours:32

Examination Duration: 3Hours

Course contents:

Focuses on study of evolution of various styles of architecture, methods of construction and influence of art and culture on architecture.

Evolution of mankind-its impact – on primitive arts and crafts in various countries.

Evolution of shelter forms in different regions.

Growth of Human settlements and cultural influences.

Influence of religion and culture on domestic and civil architecture.

Unit-1

Pre-Historic world

Primitive man – Shelters, Settlements, religious and burial systems

Ex: Oval Hut, Nive, Dolmen Tomb, Gallery Grave, Passage Grave, Houses at CatalHuyuk, LepensikiVir settlements, stone Henge.

Unit-II

River valley cultures-

Study of political systems, concept of settlement, impact of climate, socio culture and their related shelter types, planning types, method of building structures and detailing. Study of building materials used.

Indus valley civilization-

Layout of Mohenjo-Daro, House Plans, Community well, Great Bath, Granary.

Egyptian-

Tombs, Pyramids, & Temples- Mastaba Tombs, Pyramid of Cheops, Temple of Khons, Karnak.

Unit-III

River Valley Cultures-

Tigris and Euphrates

Ziggurats at Warka, Ur and Tchoga Zanbil, Palace of Sargon, Mastaba Tombs.

Sessional Work (Internal semester assessment)

Students will be assessed by 2 theory minor exams of 20 marks each and 10 marks for sketch book submission.

Scheme for Internal semester assessment (ISA)

Regular Assignments, models.

Term work: Evaluation of Portfolio, assignments by internal examiner

Scheme for End Semester Assessment (ESA)

External examination-3 hrs

Mode of assessment :


Portfolio & Theory Exam

Text Books:NIL

References :

“History of Architecture in India “byTadgell Christopher.

Sir Banister Fletcher’s “History of Architecture

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Scheme for End Semester Assessment (ESA)

Sl.No	8 Questions to be set of 20 Marks Each	Chapter Number	Instructions
I	Q.No.-1, Q.No.-2, Q.No.-3	1, 2,3	Solve Any 2 out of 3
II	Q.No.-4, Q.NO – 5 Q.No.-6,	4, 5,6	Solve Any 2 out of 3
III	Q.No.-7, Q.No.-8	7,8	Solve Any 1 out of 2

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Year:2018-23

Program : Architecture

Course Title: Basic Design

Course Code: 18AATC106

L-S-P: 0-3-0

Credits: 3

Contact Hours: 4

ISA Marks: 50

ESA Marks: 50

Total Marks: 100

Teaching Hours: 64

Examination Duration: NA

Course contents:

To understand and interpret elements of design in Visual composition.

To develop creative skills to address design principles in Architecture.

To explore art forms and understand importance of art in architecture.

Unit-I:

Elements of Visual Composition: Understanding role of the following basic elements of visual design existing in paintings, compositions, murals, sculptures, building and in a nature – Dots, Lines, Planes, Patterns, Shapes, Forms, Spaces, Colour, Texture, Levels, Light, Fenestration's. Study of Textures and Textures Schemes.

Unit-II

Principles of Visual Compositions : To address design principles in architecture. Understanding and using principles like Repetition, Rhythm, Radiation, Focal point, Symmetry, Asymmetry, Background, Foreground, Sense of Direction, Harmony, Balance and Proportion.

Unit-III

EXPLORATION OF ART FORMS- study of traditional and contemporary art forms, relation between art and architecture from earliest times to present.

Sessional Work (Internal semester assessment)

Regular Assignments, Architectural models, rendered sheets and photos

Scheme for Semester End Assessment (ESA)

Term work: Evaluation of Portfolio, assignments by internal and external examiners

Mode of assessment: Portfolio, Model.


References :

Robert Gill : Rendering with pen & ink , Thames & Hudson New York 1984


Robert Gill : Basic Rendering ,Thames & Hudson New York 1991

John Chen : Architecture in pen & ink, McGraw-Hill Inc- USA 1995


Colin Saxton : Art School, Chartwell Books Inc New Jersey.

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Program : Architecture		
Course Title: Skill Development Workshop- II		Course Code: 18AATC112
L-S-P: 0-2-0	Credits: 2	Contact Hours: 3
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 48	Examination Duration: NA	
<p>Course contents:</p> <p>Unit-I: Allied skills for Architecture</p> <p>Tools and materials</p> <p>Hands-on working of advance model making and working tools. Various types of materials used for making scaled models, sculpting etc. (Paper, card sheet, mount board, Art card, foam, metal, plaster, clay, wax glass, vegetables etc.) Methods of cutting, joining, texture development, glue welding and joinery.</p>		
<p>Unit-II Introduction to Architectural rendering skill and mobile photography, Soft skills</p> <ol style="list-style-type: none"> 1. Hands on rendering of Architectural plan, elevation and sections. 2. Hands on mobile photography of models, buildings, furniture, vehicles etc. 3. Soft skills like communication, speaking, reading & writing. 		
<p>Unit-III</p> <ol style="list-style-type: none"> 1. Introduction to scanning of rendered sheets 2. Introduction to Adobe Photoshop software for photo processing and composition 3. Using above skills create own imaginative forms or objects 		
<p>Sessional Work (Internal semester assessment) Regular Assignments, Architectural models, rendered sheets and photos</p>		
<p>Scheme for Semester End Assessment (ESA) Term work: Evaluation of Portfolio, assignments by internal and external examiner</p>		
<p>Mode of assessment: Portfolio / Model</p>		
<p>References :</p> <p>Robert Gill : Rendering with pen & ink , Thames & Hudson New York 1984 Robert Gill : Basic Rendering ,Thames & Hudson New York 1991 John Chen : Architecture in pen & ink, McGraw-Hill Inc- USA 1995 Colin Saxton : Art School, Chartwell Books Inc New Jersey.</p>		

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Program : Architecture		
Course Title: ARCHITECTURAL DESIGN – III		Course Code: 18AATC201
L-S-P: 0-6-0	Credits: 6	Contact Hours: 9
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 144	Examination Duration: NA	
Course contents: To understand/engage with the basic issues of socio-cultural and physical context of built environment and experiencing rural contexts of diverse typologies and in transformation. To abstract the various elements of the village and their relationships, which influence design. To study basic materials, technologies in design and question the notion of sustainability		
UNIT 1 Understanding the rural ecosystem through anthropocentric surveys and architectural documentation Drawings Project to Rural studio exploring elements of a village - with brief report - on Contemporary challenges, villages in transformation, typologies of villages.		
UNIT 2 Analyzing the physical, socio-economic, environmental, visual and spatial characteristics of rural settlements towards identifying problems and potentials requiring strategic goals and objectives for implementation Documentation Project (in-situ- travel to site and in Studio) - Drawings to understand dwelling typologies, materials, way of life, technologies, community spaces and natural resources. Drawings Analysis of the rural settlements - based on social, cultural, history, occupation, bio-diversity, institutions, settlement layout, dwelling typologies, local materials and technologies. With brief Report. character of institution, growth, materials and structure		
UNIT 3 Providing appropriate architectural design solution to solve identified problems and harness available potentials. Design Project to explore an innovative rural institution/ or a cluster of dwellings/ rural community center /cottage industry/sanitation/ women's self-help groups/, of an appropriate scale and area, etc.		
Scheme for Internal semester assessment (ISA) Regular assignments , Models , Reviews. Term work: Evaluation of Portfolio and assignments by internal examiner.		
Scheme for End Semester Assessment (ESA) Term work: Evaluation of Portfolio and assignments by internal and external examiners/Viva		
Mode of assessment: Portfolio, Physical models ,manual hand drafted drawings.		
Text Books: NIL		
Reference Books: <ol style="list-style-type: none"> 1. Time Saver Standard for Architectural Data by John Hancock. 2. Architectural Graphic Standards by Ramsey and Sleeper. 3. Architecture: Form, Space and Order, Ching, Francis DK 4. Design and Form: The basic course at the Bauhaus, Itten, Johannes. 5. Elements of space forming, Yatin Pandya. 		

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<p>6 NIASA Document – Rural Studies Program, Council of Architecture Publication, 2015</p> <p>7 David Robson, Geoffrey Bawa: Complete Works, Thames & Hudson (November 17, 2002)</p> <p>8 Elizabeth Baker, The other side of Laurie Baker, DC Books Pvt. Ltd, 2007</p> <p>9 Dr Parr, New Directions in sustainable Design, Routledge Press, 2012</p> <p>10. Architectural Composition, Krier, Rob</p> <p>11 Daniel Williams “Sustainable Design: Ecology, Architecture & Planning”, John Wiley & sons,2007</p>
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Scheme for Semester End Examination (ESA)

Evaluation of Portfolio of Term Work / Viva

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Program : Architecture		
Course Title: SERVICES – I (WATER SUPPLY & SANITATION)		Course Code: 18AATC203
L-S-P: 2-0-0	Credits: 2	Contact Hours: 2
ISA Marks:50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 32	Examination Duration: 3HOURS	
Course contents UNIT I: 1: Sources and purification of water Surface and underground sources of water supply, pollution and preventive measures. Purification ----filtration, disinfection, softening, miscellaneous methods of water treatment. 2: Domestic water supply Water requirement for different types of buildings, pipes, valves, wash basins, sink, bath tubs, flushing cisterns, showers, jets, faucets. Cold and hot water supply for ground and multi-storied buildings. Provision for fire fighting, solar heating systems, geysers. Layout design and details of water supply distribution system in a Design Project.		
UNIT II: 3: Sanitation Importance of sanitation, definitions, types of refuse, collection and disposal systems. Rural sanitation. Types of fixtures and materials. Sanitary requirements for various types of buildings. 4: Drainage systems Principles, location of sanitary units, separate and combined systems, septic tanks, aqua privy. Drainage system for ground and multistoried buildings including. storm water drainage, rain water harvesting. Roads and pavements, drainage of roads, drainage on sloping sites, sub soil drainage. Site planning from drainage and water supply point of view. Layout design and details of sewage and drainage system for different building types. Storm water drainage and rain water harvesting system design for a building project. Course may be integrated with concurrent architectural design		
UNIT III: 5:Recycling Sewage pumping stations, waste water treatment, oxidation. recycling of sewage water. 6: Solid waste Management: Prevalent SWM practices and deficiencies: Storage of waste at source, collection, segregation, transportation of waste. Disposal of solid wastes: Sanitary land filling, Composting, Incineration, Pyrolysis – advantages and limitations. Biogas system and Modern renewable energy system		
Scheme for Internal semester assessment (ISA) Regular Assignments.		
Scheme for End Semester Assessment (ESA) External examination-3 hrs		
Mode of assessment: Portfolio& Theory Exam.		



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Text Books: NIL

Reference Books:

- 1.Husain, S. K. T. B. of water Supply and Sanitary Engineering, 3rd ed. Oxford and IBH Pub. Ltd. New Delhi, 1994.
- 2.Kshirsagar,S.R. Water Supply Engineering, 6th ed. Roorkee Pub, Roorkee, 1980.
- 3.Rangawala, S.C. Water Supply and Sanitary Engineering ;Environmental Engineering, 19th ed. Charotar Pub. House, Anand, 2004.
- 4.S.C. Rangawala, fundamentals of water supply and sanitary engineering. Charotar Pub. House, Anand,
- 5.IIussain S. K. water supply and sanitary engineering, Dhanapat Rai and Sons, Delhi Relevant I.S. Codes
- 6.Basic Plumbing techniques, Orthobooks, Chevron Chemical Company, Consumer products Div., Box 5047, San Ramon, CA 94583
- 7.G.M. Fair, J.C. Geyer and D.A. Oku, Water and Waste Water Engineering, vol.II, John Wiley and Sons, Inc. New York, 1968
- 8.Manual of water Supply and Treatment , 2nd edition , CPHEEO, Ministry of works And HOUSING New DELHI , 1980
- 9.Manual ON sewage Treatment , CPHEEO, Ministry of works And HOUSING New DELHI , 1977

Scheme for End Semester Assessment (ESA)

Sl.No	8 Questions to be set of 20 Marks Each	Chapter Number	Instructions
I	Q.No.-1, Q.No.-2,	1, 2	Solve Any 1 out of 2
II	Q.No.-3, Q.NO – 4,	3, 4	Solve Any 1 out of 2
III	Q.No.-5, Q.No.-6	4,5	Solve Any 1 out of 2

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Program : Architecture		
Course Title: CLIMATOLOGY		Course Code: 18AATC204
L-S-P: 2-0-0	Credits: 2	Contact Hours: 2
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 32	Examination Duration: 3hrs	
UNIT I: Introduction – Elements of Climate, Enumerating and representing climatic data. Classification of Climate, major Climatic Zones of the World, tropical Climate further Classification. Climatic Zones of India, Classifications, case study of one city within each Zone.		
UNIT II: Thermal Comfort, effect of Climatic Elements on thermal Comfort, Heat Exchange Process, Effective Temperature Natural Ventilation, effect of openings in internal and external features, Design Considerations etc. Effect of Landscape elements and site topography, reading climate data, climate analysis and data validation through climate consultant software.		
UNIT III: Bioclimatic chart, Design Consideration for various climatic zones of INDIA, with respect to Shading devices, Day Lighting Factors, Components of day light factor and its design considerations, Rainfall considerations etc. Construction Techniques for Improving Thermal Performance of Walls and roofs at various climatic Zones in India. Climate data representation through flow design and Ecotect software. Design project of not more than 500sqm. built up incorporating all the components of climate responsive architecture.		
Scheme for Internal semester assessment (ISA) Regular Assignments, Architectural models, rendered sheets and photos		
Scheme for End Semester Assessment (ESA) External examination-3 hrs		
Mode of assessment : Portfolio & Theory Exam.		
Reference Books : NIL		
Text Books: 1. Arvind Kishan , Baker & Szokolay, Climate Responsive Architecture.		



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2. Manual of Tropical Housing & Buildings (PartII)" Koenigsberger.
3. Buildings in the tropics by Maxwell Fry
4. Housing , Climate and Comfort by Martin Evans

Scheme for End Semester Assessment (ESA)

Sl.No	8 Questions to be set of 20 Marks Each	Chapter Number	Instructions
I	Q.No.-1, Q.No.-2,	1, 2	Solve Any 1 out of 2
II	Q.No.-3, Q.NO – 4,	3, 4	Solve Any 1 out of 2
III	Q.No.-5, Q.No.-6	4,5	Solve Any 1 out of 2


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Program : Architecture		
Course Title: Architectural Design – IV		Course Code: 18AATC208
L-S-P:0-6-0	Credits: 6	Contact Hours:9
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 144	Examination Duration: NA	
<p>Course contents: To develop skills for comprehensive understanding and dealing with Climate Responsive Architecture. Provide skills for designing multi-user and multi level spaces. The design issues to be addressed are</p> <ul style="list-style-type: none"> • Climate Responsive • Integration of environment & built form. • Integration the horizontal and vertical circulation • Correlation of the materials and the resulting form. <p>The list of suggested spaces to be covered as design Public Libraries, Public and Semipublic Office Spaces, Resorts, Recreational Clubs, Automobile Showrooms etc.</p> <p>Necessary theoretical inputs to be given highlighting the norms and design issues. At least one major exercise and one minor design/ time problem should be given. The topics covered as design projects will have to be covered by the studio faculty members through lecture/slide show session and site visits.</p>		
<p>Scheme for Internal semester assessment (ISA) The Portfolio covering the given topics and the study models shall be presented. The evaluation shall be through periodic internal reviews. The students have to present the entire semester work for assessment along with Models. Regular Assignments, Architectural models, rendered sheets and photos</p>		
<p>Scheme for Semester End Assessment (ESA) Term work: Evaluation of Portfolio, assignments by internal and external examiners/ Viva</p>		
<p>Mode of assessment : Portfolio</p>		
<p>Text Books: NIL</p>		
<p>Reference Books:</p> <ol style="list-style-type: none"> 1. Joseph De Chiara & John Hancock Calendar, Time Saver Standards for Building Types 2. Various books and magazines about architectural design 3. Architecture: Form, Space and Order, Ching, Francis DK 		


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Program:		
Course Title: Elective -Art Appreciation		Course Code: 18AATE201
L-S-P: 0-2-0	Credits: 01	Contact Hours: 02
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 02	Examination Duration: NA	
Unit I Various art forms Scope in the various works of arts		
Unit II Analysis & aesthetic judgment Expression of individual /society values		
Unit III Personal reaction to works in the art		
Scheme for Internal semester assessment (ISA) The evaluation shall be through periodic internal assignments		
Scheme for Semester End Assessment (ESA) Term work: Evaluation of Portfolio, assignments by internal and external examiners		
Mode of assessment : Portfolio		
Text Books: NA		
Reference Books: <ol style="list-style-type: none"> 1. Books on architectural Design 2. <i>Architectural Periodicals</i> 3. <i>Art Periodicals</i> 		

Scheme for End Semester Examination (ESA)

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Program : Architecture		
Course Title: Elective – Human Centered Design - I		Course Code: 18AATE202
L-S-P: 0-1-0	Credits: 1	Contact Hours: 2
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 32	Examination Duration: NA	
Course contents Understanding Design as a very old human capability that has been forgotten by the mainstream educational system and traditionalist alike. A modern human activity that can help the products, services and policies of the future within the constraints of our contexts.		
UNIT I: What is Design? Multiple Dimensions of Design, Processes and Applications What is Human Centered Design? 1 Looking: Observing Human Experience 2 Understanding: Analyzing challenges and opportunities 3 Making: Envisioning Future Possibilities		
UNIT II: HCD to identify problem.		
UNIT III: Field Work, Define, Ideate, Prototype (Concept design, Detailed Design) ,Test, Feedback		
Scheme for Internal semester assessment (ISA) Field work Ideation, Concept design, Final Design Periodic reviews presentations of finding , concerns, Development stage of product and justification		
Scheme for End Semester Assessment (ESA) Final Report Prototype design		
Mode of assessment : Field work attendance Assignment		
Text Books:NIL		
Reference Books: <ol style="list-style-type: none"> 1. Harold Nelson: The Design Way Intensions /Compositions/Value 2. John Heskett :Toothpics and Logos 		

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Objects/Communication/Environments/Identities/Systems/Contexts/Future

3. Klaus Krippendorff: The Semantic Turn, Meaning of Artifact in :Use/Language/Life Cycle/Ecology

Program:		
Course Title: Elective –ARCHITECTURAL PAINTING		Course Code: 18AATE206
L-S-P: 0-2-0	Credits: 01	Contact Hours: 02
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 02	Examination Duration: NA	
Unit I		
Nature and Object: Study of two or three natural and geometric forms in pencil with light and shade from a fixed point of view. Natural forms like plants, vegetables, fruits and flowers, etc., are to be used. Geometrical forms of objects like cubes, cones, prisms, cylinders and spheres should be used.		
Unit II		
Painting Composition: Simple exercises of basic design in variation of geometric and rhythmic shapes in geometrical and decorative designs and colours to understand designs as organised visual arrangements.		
Unit III		
Portfolio Assessment: Five selected nature and object study exercises in any media done during the session including minimum of two still life exercises.		
Scheme for Internal semester assessment (ISA) The evaluation shall be through periodic internal assignments		
Scheme for End Semester Assessment (ESA) Term work: Evaluation of Portfolio, assignments by internal and external examiners		
Mode of assessment : Portfolio		
Text Books: NA		
Reference Books: <ol style="list-style-type: none"> 1) Heritage of Indian Art.-Dr.Vasudevsharan Agarwal. 2) Hindustani Masavri- Dr.AnisFarooqi 		