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Title: Curriculum Content- Course wise			Page 1 of 22

Program : Architecture		
Course Title: Elective – Vernacular Architecture		Course Code: 15AATE201
L-S-P: 0-2-0	Credits: 2	Contact Hours: 2
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 32	Examination Duration: NA	
UNIT I: Introduction and Definitions. Review of Vernacular Architecture in different parts of India in context to the Lifestyle and culture, House forms, climate, materials and construction techniques prevailing in these regions.		
UNIT II: Study of Vernacular styles of North and North East, North West, South India.		
UNIT III: Case study and documentation Case study of a house form to collect data regarding lifestyle and culture, climate, materials, construction techniques and documentation of the same.(1field,book or net study)		
Note – assignments, Seminars and a portfolio of the documentation of case study for evaluation.		
Text Books: NIL		
Reference Books: <ol style="list-style-type: none"> 1. Paul Oliver (Ed), Encyclopedia of Vernacular Architecture of the world, vol 1,2,3, 2. Fletcher Bannister: History of Architecture 3. Rappoport Amos: History and Precedent of Environmental Design 4. Rappoport Amos: House Form and Culture 5. Rappoport Amos: Meaning of the built environment 6. Paul Oliver (Ed), Encyclopedia of Vernacular Architecture of the world, vol 1,2,3, Cambridge University press,Cambridge, 1977. 7. Bernard Rudofsky Architecture without architects. 8. Paul Oliver: Dwellings. Cambridge University press, Cambridge, 1977. 9. Galion and Eisner, 'Urban Pattern': City planning and Design. Ed, Van Nostrand Reinhold, New York, 1986. 		

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Term work. Documented measure drawing portfolio

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Program : Architecture		
Course Title: Elective – Photography		Course Code: 15AATE202
L-S-P: 0-2-0	Credits: 2	Contact Hours: 2
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 32	Examination Duration: NA	
UNIT I: 1. Introduction <ol style="list-style-type: none"> Introduction to Architectural Photography Theory of Photography Understanding Light, aperture, Shutter speed and ISO Types of Camera, Lens, and other accessories. 		
UNIT II: 2. Composition. <ol style="list-style-type: none"> Understanding composition like rule of third, S- curve, balance etc.. Shooting Out-doors and In-doors Colour management and post editing using software's Camera Tricks to create special effect photography. Analysis of Photographs. 		
UNIT III: 3. Documentation of Architectural buildings and interiors <ol style="list-style-type: none"> Importance and use of architectural journalism Documentation methods. Presentation and compilation of Images and text. Printing. 		
Text Books: NIL		
Reference Books: <ol style="list-style-type: none"> Better photography monthly magazine Basic photography for dummies 		

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Program : Architecture		
Course Title: Elective – Space, Culture & Architecture		Course Code: 15AATE203
L-S-P: 0-2-0	Credits: 2	Contact Hours: 2
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 32	Examination Duration: NA	
UNIT I: Introduction to Space, Culture & Architecture Sociological theories and cultural theories in relation to architecture Critical thinking – its basis and intent		
UNIT II: Study and analysis of few Important Architectural Spaces of Cultural Significance Study and Documentation of Cultural Landscape.		
UNIT III: Research Paper on Space, Culture & Architecture		
Text Books: NIL		
Reference Books: 1) J Habraken <i>Sociologic of space</i> 2) Rappoport Amos: <i>House Form and Culture</i>		

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Program: Architecture		
Course Title: Elective – Digital Rendering		Course Code: 17AATE204
L-T-P:0-0-1	Credits: 1	Contact Hours: 2
ISA Marks:50	ESA Marks:50	Total Marks:100
Teaching Hours:28	Examination Duration: NA	
Unit I Digital Rendering Techniques Rendering techniques of plans, elevations & sections using digital tool.		
Unit II Detail Rendering Adding details like human figures, furniture, trees, vehicles etc.		
Unit III Publish to various media Various print and web file formats		
Text Books		
Reference Books: Online tutorials		

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Program : Architecture		
Course Title: Elective – Space Making		Course Code: 15AATE205
L-S-P: 0-2-0	Credits: 2	Contact Hours: 2
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 32	Examination Duration: NA	
UNIT I: Introduction to different space making elements. Understanding and appreciating different space perceptions.		
UNIT II: Study and analysis of few Important Architectural Spaces with different parameters		
UNIT III: Understanding contemporary approaches in space making. Understanding of the term space formation and its importance in Architecture.		
Text Books: Nil		
Reference Books: 1) Space making elements by Yatin Pandya. 2) J Habraken <i>Sociologic of space</i>		

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Program : Architecture		
Course Title: Elective-Sustainable Development of Living Cultural Heritage		Course Code: 15AATE301
L-S-P: 0-2-0	Credits: 1	Contact Hours: 2
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 32	Examination Duration: NA	
UNIT I: Definition of Cultural Heritage ,Cultural Landscape, Monuments & site(UNESCO operational guidelines) Documentation of the Heritage Site Need for conservation of living cultural heritage sites . Values & Ethics in heritage conservation Charters		
UNIT II: Mapping Analysis Draft Proposals and report		
UNIT III: Final proposal and report		
Text Books: NIL		
Reference Books: <ol style="list-style-type: none"> 1. Bernard Rudofsky, <i>Architecture without Architects</i> .a short introduction to Non-Pedigreed Architecture. Academy Edition London 2. Enrico Guidon, <i>Primitive Architecture</i> 3. Christian NorbergShulz, <i>Genius Loci</i> 4. Alexander Christopher ; <i>Urban Pattern</i> 5. Alexander Christopher: <i>Timeless way of Building</i> 		

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6. Feilden Bernard, *Guidelines for Conservation ,A technical manual*
7. *Jacobs,J* (1961) *The Death and Life of Great American Cities*, NewYork,Random House.
8. *Lynch,K* (1981) *A Theory of Good City Form*, MIT Press
9. UNESCO Operational Guidelines 2012
10. UNESCO Nomination Dossier manual 2012
- 11.UNESCO paper series

Website: ICOMOS , ICCROM , UNESCO

Project Report,,Place Making “ A Synthesis of Professional Practice & Case studies about better living Environment ,
RUDI (Resource of Urban Design Information)

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Program : Architecture		
Course Title: Elective-ADVANCE COMPUTERS - I		Course Code: 15AATE302
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	
UNIT I: <ol style="list-style-type: none"> 1. Introduction Raster and Vector graphics. 2. Introduction color modes and pixels. 3. Introduction typography, animation, video and sound. 		
UNIT II: <ol style="list-style-type: none"> 1. Introduction Adobe indesign software 2. Page layout tools and commands in adobe indesign software 		
UNIT III: <ol style="list-style-type: none"> 1. Interactive tools commands in adobe indesign software 1. Various export file formats 		
Text Books: Nil		
Reference Books: Online tutorials		

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Program : Architecture		
Course Title: Elective-Productive landscape		Course Code: 15AATE303
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	
UNIT I: <ul style="list-style-type: none"> • Introduction to different types of productive landscape in interior and exterior spaces of building. • Study of Different methods of productive landscape. • Basics of different types of grow mediums, soil and plants. 		
UNIT II: <ul style="list-style-type: none"> • Maintaining, pest and disease control of plants • Water management and Fertilizers for the good health and food production of plants • Organic and sustainable methods of growing plants in small spaces 		
UNIT III: <ul style="list-style-type: none"> • Introduction to vertical farming. • Literature and Case study. 		
Text Books: Nil		
Reference Books: <ol style="list-style-type: none"> 1. Blane Alan, Landscape Construction and detailing B T Batsford Ltd, London 1996. 2. Laurie, Michael, An introduction to Landscape, II Ed, Prentice Hall, New Jersey, 1986 		
Website:		
Project Report		

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Program : Architecture		
Course Title: Elective- Hands on workshop		Course Code: 15AATE304
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	
UNIT I: <ul style="list-style-type: none"> • Introduction to different types of hands on projects • Case study and literature study of the selected project. • Data collection and material study of the project. 		
UNIT II: <ul style="list-style-type: none"> • Development and execution of the project with hands on experience. • Continual development and real time design and material application on scaled models and life scale models. 		
UNIT III: <ul style="list-style-type: none"> • Hands on execution with improvements and Documentation of the project from start to finish. 		
Text Books: Nil		
Reference Books: <ol style="list-style-type: none"> 1. Ching, Francis DK, Architecture: Form, Space and Order, 2nd ed. VanNostrand Reinhold, New York, 1999 2. Visual Intelligence: How We Create What We See by Donald D. Hoffman (Author) Publisher: W W Norton & Co Ltd; New Ed edition (29 Feb 2000) 3. Building Construction Hand book: By R Chudly & R Greeno, BullerworthHeinemann, New-Delhi. 		
Website:		
Project Report		

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Program: Architecture		
Course Title: Elective - DIGITAL 3D		Course Code: 15AATE305
L-T-P 0-0-2	Credits: 2	Contact Hours: 28
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 28 hrs	Examination Duration: 2hrs	
Unit I 1. Understanding the Basics of Rhino 2. Working with the tools for design 3. Basic modeling using tools in Rhino		
Unit II 1. Understanding the Basics of Grasshopper 2. Working with the tools for design 3. Basic modeling using tools in Grasshopper 4. Simulating Rhino design with Grasshopper		
Unit III 1. Presenting the modeled design using the software knowledge		
Text Books - NIL		
Reference Books: - NIL		

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UNIT	8 Questions to be set of 20 Marks Each	Chapter numbers	Instructions
I	8 designs of Rhino models	1	To be completed in class hours
II	8 designs of Grasshopper models	2	To be completed in class hours
III	8 simulation designs	3	To be completed in class hours

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Program: Architecture		
Course Title: Elective – Architecture Film Making - I		Course Code: 15AATE407
L-T-P:0-0-1	Credits: 1	Contact Hours: 2
ISA Marks:50	ESA Marks:50	Total Marks:100
Teaching Hours:32	Examination Duration: NA	
Unit I Film Pre-production Introduction to Architectural film making concepts, story board, screenplay and planning.		
Unit II Film Production Introduction to video shooting using various devices.		
Unit III Film Post-Production Video post-production techniques like editing, titles, sub titles, narration and rendering.		
Text Books		
Reference Books: Online tutorials		

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Program : Architecture		
Course Title: SUSTAINABLE DEVELOPMENT OF LIVING HERITAGE-II		Course Code: 15AATE408
L-S-P: 0-2-0	Credits: 2	Contact Hours: 2 hrs.
ISA Marks: 50 marks	ESA Marks: 50 marks	Total Marks: 100
Teaching Hours: 32	Examination Duration: NA	
UNIT I: Definition of Cultural Heritage, Cultural Landscape, Monuments & site (UNESCO operational guidelines) Documentation of the Heritage Site Need for conservation of living cultural heritage sites. Values & Ethics in heritage conservation Charters		
UNIT II: Mapping Analysis Draft Proposals and report		
UNIT III: 1. Final proposal and report		
Text Books: Nil		
References : Nil		

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Program : Architecture		
Course Title: Transit Oriented Development		Course Code: 15AATE409
L-S-P: 0-2-0	Credits: 2	Contact Hours: 2 hrs.
ISA Marks: 50 marks	ESA Marks: 50 marks	Total Marks: 100
Teaching Hours: 32	Examination Duration: NA	
Course contents: Unit-I: Introduction to Transit Oriented Development Theories and Principals of TOD Examples of TOD Unit-II Study, Analysis and Design of an identified area along a transit Corridor using Principles of TOD and Infrastructure Unit-III Research Paper on any one principal or component of Transit Oriented Development		
Sessional Work (Internal semester assessment) Assignmnets		
Scheme for Semester End Examination (ESA) Assignments, Checking of Portfolio of Term Work / Viva.		
Mode of assessment: Checking of Portfolio of Term Work / Viva		
References: Nil		

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Program : ARCHITECTURE		
Course Title: ARCHITECTURAL LIGHTING		Course Code: 15AATE410
L-S-P: 0-2-0	Credits: 2	Contact Hours: 2
CIE Marks: 50	SEE Marks: 50	Total Marks:
Teaching Hours: 32	Examination Duration:	
UNIT I: <ol style="list-style-type: none"> 1. The history of architectural lighting 2. Basics of Lighting Design 3. Terminology and units 4. Types of Light and light sources 5. Control gear and control equipment 		
UNIT II: <ol style="list-style-type: none"> 6. Light – Qualities and features 7. Controlling light 8. Luminaries 9. Lighting design 10. Lighting design and analysis tools 		
UNIT III: <ol style="list-style-type: none"> 8. Exercise: Design of Lighting for a sample space. 		
Text Books: NIL		
Reference Books: <ul style="list-style-type: none"> • Handbook of Lighting Design by Rudiger Ganslandt and Harald Hofmann • Lighting Design Basics by Mark Karlen • Designing With Light: The Art, Science and Practice of Architectural Lighting Design by Jason Livingston. • The Architecture of Light (2nd Edition): A textbook of procedures and practices for the Architect, Interior Designer and Lighting Designer. 		

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Program : Architecture		
Course Title: ELECTIVE-Architecture and Human Behavior		Course Code: 15AATE502
L-S-P: 0-18-0	Credits: 2	Contact Hours: 24
ISA Marks: 50	ESA Marks: 50	Total Marks: 100
Teaching Hours: 384	Examination Duration: Nil	
Course contents: UNITI: IntroductiontoBehavioralandEnvironmentalPsychology. EvolutionofHumanBehavior. InteractionofManandenvironment,Manandbuiltformsandstudyofpsychologyofspaces. MethodsandprocessofstudyinghumanpsychologyinthecontextofArchitecture.		
UNITII: TheHuman–NatureinterfacethroughthemediumofBiophilicDesign. NatureinSpace –StudyofVisualConnectionwithNature,Non-VisualConnectionwithNature,Non-Rhythmic SensualStimuli,Thermal/AirflowVariability,PresenceofWater,DynamicandDiffusedLight,ConnectiontoNatural Systems. NaturalAnalogues –StudyofBiomorphicformsandPatterns,MaterialConnectiontoNature,ComplexityandOrder NatureoftheSpace –StudyofProspect,Refuge,Mystery,Risk/Peril		
UNITIII: BuildingSystems Roomuse,geometry&meaning,hiddenbehavioralassumptions,adjacencies,verticalbypass &horizontalbypass,variousstagesinthedesignofbuildingsubsystems. Building–BehavioralInterface Geometryofspaces,theirmeaning&connotations,Socialorganizationofbuildings, Behavioralassumptionsintheplanningofnewtownsandneighborhoods,borrowedspace. BehavioralDesign Processorganizationchart,affinitymatrices,pictograms:behavioraldesignprocessmodel, designcontext,activity/adjacencyrelationship,evaluationchart,Areausefrequency program,simultaneoususe,communityutilizationmap,occupancyloadprofile,defensible space,EDRAetc., UrbanEnvironment Patternsofactivityintimeandspace,theecologyofaneighborhoodparkandplayground, cross-culturalissues,social&psychologicalissuesintheplanningofnewtowns, environmentalperceptionsandmigration,awarenessandsensitivitytoopenspaces, environmentalcognition.		



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Mode of assessment : Stage wise reviews (internal and external) for ISA and External Jury for ESA

TextBooks:


1. Burnette, C. (1971). Architecture for human behaviour. Philadelphia Chapter: AIA.
2. Canter, D. and Lee, T. (1974). Psychology and the built environment. New York: Halstead Press.
3. Christopher, A. et al. (1977). A Pattern Language. New York: Oxford University Press.
4. Clovis, H. (1977). Behavioural Architecture. McGraw Hill.
5. Lynch, K. (1973). The image of a city. Cambridge: MIT.
6. Sanoff, H. (1991). Visual Research Methods in Design. New York: John Wiley & Sons.
7. Zeisel, J. (1984). Enquiry by design: Tools for Environment-Behaviour Research. Cambridge: Cambridge University Press.
8. Zeisel, J. and Eberhard, J. P. (2006). Inquiry by Design- Environment/Behaviour/Neuroscience in Architecture, Interiors, Landscape and Planning. New York: W. W. Norton & Company.
9. Evolution and Human Behaviour: Darwinian Perspectives on the Human Condition by John Cartwright

Reference:

- 1: Built Environment Psychology: A complex affair of buildings and user by Mr. Safiulla Khan, Integral University, India.
- 2: Architectural Psychology – ST Janitius, St. John's College, Bangalore
- 3: Spaces of Social Influence by Anna P Gawlikowska
- 4: Psychology of Architecture by W. Bro Victor G Popow
- 5: Behavioral Architecture – SPA Vijaywada

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Program : ARCHITECTURE		
Course Title: DOCUMENTATION AND TECHNICAL WRITING		Course Code: 15AATE505
L-S-P: 0-2-0	Credits: 2	Contact Hours: 2
CIE Marks: 50	SEE Marks: 50	Total Marks: 100
Teaching Hours: 32	Examination Duration:	
Course contents: UNIT I: Documentation and Technical Writing Introduction to Documentation And Technical Writing Various process of Documentation media or technique Monographs and Magazine Formats UNIT II: Effective Writing Skills Dissertation / Thesis Report Writing Compiling of Ideas and Thoughts generated during Design Process UNIT III: Research Paper / Article Research paper / Article on any architect showcasing his design philosophy and architectural works		
Scheme for Internal semester assessment(ISA) Assignments in the form of Portfolio.		
Scheme for Semester End Assessment (ESA) Term work Evaluation		
Mode of Assessment: Field work attendance , Assignment		
Text Books: NIL		
Reference : NIL		

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Program: Architecture		
Course Title: Elective – Adobe Illustrator		Course Code: 15AATE506
L-T-P:0-0-1	Credits: 1	Contact Hours: 2
ISA Marks:50	ESA Marks:50	Total Marks:100
Teaching Hours:28	Examination Duration: NA	
Unit I Graphic Designs Create everything from gorgeous print, web and mobile graphics to logos, icons, brochures, flyers, posters etc.		
Unit II Typographic Designs Design typographic designs and add effects, manage styles, and edit individual characters		
Unit III Publish artwork to various media Publish illustrations anywhere, including printed pieces, presentations, websites, blogs, and social media.		
Text Books		
Reference Books: Online tutorials		

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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		
Text Books: NA		
Reference Books: <ol style="list-style-type: none"> Books on architectural Design <i>Architectural Periodicals</i> <i>Art Periodicals</i> 		

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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 Objects/Communication/Environments/Identities/Systems/Contexts/Future 3. Klaus Krippendorff:The Semantic Turn ,Meaning of Artifact in :Use/Language/Life Cycle/Ecology 		

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Program:		
Course Title: Elective –ARCHITECTUTAL 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.		
Text Books: NA		
Reference Books: <ol style="list-style-type: none"> 1) Heritage of Indian Art.-Dr.Vasudevsharan Agarwal. 2) Hindustani Masavri- Dr.AnisFarooqi 		