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| AR 112  Architectural Graphics-II | **L-T-P**  **1-0-6**  **3 credit** |
| Objective: To develop the understanding of sheet presentation techniques from Objects scaling and | |
| composition of drawings to projections theories. | |
| Unit-1 (Development of presentation techniques by understanding of Scale and2D-3D objects relationship)  1. Introduction to presentation techniques, .(1 Lectures)  2. Scaling objects, Composition of drawings on different sizes of sheets, .(1 Lectures)  3. Study of 2D & 3D visual relationships, simple perspective and various geometric forms.(1 Lectures)  4. Study of objects in light and shade, sketching techniques and its applications.(1 Lectures)  5. Three dimensional compositions of forms and their graphic expression.(1 Lectures)  Unit-2 (Understandanding of rendering techniques for architectural drawings along with siographyic studies)  6. Basic rendering techniques , rendering of Plans , elevations ,sections & graphic Objects in 2D & 3D (ink and  colour), (1 Lectures)  7. Perspective views of simple geometric forms (one and multi points) .(1 Lectures)  8. Sciography of geometrical and architectural forms-shades and shadows on building facades .(1 Lectures)  9. Plan & elevation: Plants, trees, objects, furniture, human beings .(1 Lectures)  Unit-3 (Indoor outdoor excercises to understand the graphics of a building as well as surroundings)  10. landscape studies, (1 Lectures)  11. building studies, Indoor and Outdoor exercises in colour and black & white,(1 Lectures)  12. Use of line weight and colour in plan, elevation and sections. (1 Lectures)  13. Photography techniques. (1 Lectures)  Unit-4 (Study of solid geometry, their sections and projections theories)  14. Section of solids – true shape of section  15. Development of surfaces  16. Intersection of surfaces  17. Isometric projection, isometric scale | |
| Outcomes: Developed understanding of sheet presentation techniques and projection theories. | |
| Reference Books:  1. Architecture in Pen and Ink/Chen John S M  2. Graphic details for Architects/Kemmerich, Carl  3. Manual of Graphic Techniques for Architects, Graphic Designers and Architects/Kemmerich Carl  4. New Metric Handbook; Planning and Design Data  5. A Textbook of Perspective and Sciography/Shankar Mulik  6. Architectural Rendering /Alibert O. Halse  7. Engineering Graphics/N.D. Bhatt  8. Graphics  for Architects and Planners/Russel, James E | |