School of Planning and Architecture: Vijayawada

An institution of National Importance under the Ministry of Human Resource Development,
Survey No.4/4, ITI Road, Vijayawada-520008, Andhra Pradesh, India

Department of Architecture

Course: ARC226 - Computer Applications
Instructors: Vijesh Kumar V and Madhava Rao T
Contact Periods/ week: 01(L) + 03(T) periods.(50 min each)
Time Table: Monday (Period 5-8)

Attendance: Min 75%

Class: IInd Yr B. Arch IV Sem A.Y. 2023-24
Internal Assessment: 50
External Theory Exam: 50
Total Marks: 100
Credits: 3

Min. Passing Marks: 40% each in Internal & External Assessment, 40% in Aggregate

Objective: Empowering students to use computers as 2D drafting and 3D modelling tool and to familiarize realistic rendering and architectural presentation techniques using computers.

Out Line of the Course:

LECTURE PLAN

WEEK	DATE	TOPIC OF CLASS LECTURE & DISCUSSION	TOPIC OF STUDIO WORK & ASSIGNMENTS / REMARKS
1	08-Jan-24	Autodesk Revit 2024	Lecture, Exercises, Computer Lab
2	15-Jan-24	**Holiday**	**Makar Sankranti**
3	22-Jan-24	Autodesk Revit 2024	Lecture, Exercises, Computer Lab
4	29-Jan-24	Autodesk Revit 2024	Lecture, Exercises, Computer Lab
5	05-Feb-24	Autodesk Revit 2024	Lecture, Exercises, Computer Lab
6	12-Feb-24	Autodesk Revit 2024	Lecture, Exercises, Computer Lab, **Internal Marks 1**
7	19-Feb-24	Sketch-Up	Lecture, Exercises, Computer Lab
8	26-Feb-24	Sketch-Up	**Mid-semester Review**
9	04-Mar-24	Sketch-Up	Lecture, Exercises, Computer Lab
10	11-Mar-24	Sketch-Up	Lecture, Exercises, Computer Lab
11	18-Mar-24	Photoshop	Lecture, Exercises, Computer Lab
12	25-Mar-24	Photoshop	Lecture, Exercises, Computer Lab
13	01-Apr-24	Photoshop	Lecture, Exercises, Computer Lab
14	08-Apr-24	Grasshopper - Visual Scripting	Lecture, Exercises, Computer Lab
15	15-Apr-24	Grasshopper - Visual Scripting	Lecture, Exercises, Computer Lab, **Internal Marks 3**

S. No.	Stages of Evaluation	Weightage
1	First stage: Assessment –1	15
2	Second stage: Mid-semester Examination	20
3	Third stage: Assessment –3	15

	Total	50

Reference Books:

1. Bark, S. (2012). An Introduction to Adobe Photoshop. Ventus Publishing ApS, Sheffield.

2. Gindis, E. (2014). Up and Running with AutoCAD 2015: 2D & 3D Drawing and Modelling. Oxford : Elsevier.

3. Seidler, D. R. (2007). Digital Drawing for Designers: A Visual Guide to AutoCAD 2012. London : Fairchild Publications.

4. Smith, B. L. (2007). 3ds Max 2008 Architectural Visualization Beginner to Intermediate. Sarasota : 3DATS.

5. Tutorials: http://www.lynda.com/

Course Instructors:

Asst. Prof. Vijesh Kumar V   **Head of Department/Coordinator:**