COURSE CONTENT

Course Code	DN1011
Course Title	Form & Visualization
Pre-requisites	NIL
No of AUs	3
Contact Hours	39 (1h Lecture, 2h Tutorial)

Course Aims

This course forms a practical exploration, at an introductory level, of manual visualization and model-making skills necessary for the formulation, visualization and presentation of objects and spaces.

As students, you do a series of assignments across a range of domain areas, to gain an understanding and to have an initial exposure to the form and visualization skill sets used by designers.

Intended Learning Outcomes (ILO)

By the end of this course, you (as a student) should be able to:

1. Produce work that demonstrates the application of form-making and visualization principles in an integrated and cohesive project.
2. Visualize objects and spaces using various drawing techniques as evidenced in your class work and assignments.
3. Make objects and spaces using various model-making techniques as evidenced in your class work and assignments.
4. Employ a visual lexicon and cognitive framework and understanding for the making and visualization of objects and spaces.
5. Engage on the visualization and form making of a design project through your class participation, execution of projects and critique presentations.

Course Content

Through a series of exercises and assignments, students are introduced to the basic skills and vocabulary of form-making and visualization. Students will also have the opportunity to work on a project that applies both form making and visualization principles and techniques. The topics covered are:

Visualization of objects and spaces

- Drawing mediums, scale, graphic/ technical representation of objects and spaces, Orthographic projection, Isometric and Axonometric projection, Linear perspective (1 point, 2 point), ideative/ ideation sketching, illustrative sketching, tone, texture, and shading.

Form making of objects and spaces

- Model-making materials, scale, mock-up models, concept models, visual models, working from orthographic drawings, prismatic and compound form making techniques, joining and construction methods.

Conceptual Development

- Anthropometry, figure-ground relationship, perception of form.