

NIRMA UNIVERSITY
Industrial Design Programme
Bachelor of Design, Department of Design
Year II, Semester III

L	T	P	C
		4.5	3

Course Code	DSK216
Course Title	Visualization & Representation I
Credits	3
Teaching hours:	67.5 hours

Course Learning Outcomes (CLO):

At the end of the course student will be able to:

1. Visualize and represent products and their components using various drawing methods
2. Draw Perspective, Orthographic and Axonometric views of products and their assembly
3. Communicate product construction and details through production drawings

Syllabus:

- Design Drawing: Drawing products and mechanisms illustrating ‘construction and assembly’: Drawing Simple Product’s components & assembly like a spectacle, fountain pen, mobile phone, wheel barrow etc.
- Process Drawings: Diagrams illustrating process of construction
- Detail Drawings: Drawing technical mechanisms and details; Drawing Complex Mechanism’s Components & Assembly like a cycle chain, brake details, seat assembly etc.

Suggested Reading:

1. *Design Drawing*, Francis D K Ching & Steven Juroszek
2. *Drawing for Product Designers*, Kevin Henry
3. *Drawing for Designers*, Alan Pipes
4. *Creative Metal Forming*, Betty Helen Longhi

w.e.f. Academic year _2018 and onwards

Key: L= Lecture, T= Tutorial, P= Practical, C= Credit