

\*Exercises 9 - 12 are based on Chapter 3: Design Fundamentals

# **Objective**

- 1. To analyze the relationship between form/shape and function/use.
- 2. To develop sensitivity towards color, shape and texture.

## Material requirement

- 1. A3 Sheet/s
- 2. Scissor, glue
- 3. Magazines for selecting picture of the product

### Procedure

- 1. Refer to magazines or internet to collect pictures of interesting products. (For example helmet, torch, pen scissors etc.)
- 2. Analyze the pictures in terms of aesthetics and its end use/function.Describe its design attributes (aesthetics and functionality)
- 3. Cut the selected product picture and paste it neatly on an A-3 Sheet.
- 4. Label the different parts of the selected product.
- 5. Write a short note on the function of each part.

## **Observation and Discussion**

1. Discuss the role of Elements of Design for improving aesthetics and functionality while designing any product.





# **Objective**

- 1. To analyze varied **Textures** in Nature and Man made environment.
- 2. To sensitize students to the tactile feel of the objects in Nature and Man-made environment.
- 3. To develop ability to interpret/convert a tactile feel/look into verbal language.
- 4. Interpretation of verbal expression for design development.

## Material requirement

- 1. A4 sheet/s
- 2. Scissor, glue
- 3. Magazines for selecting pictures.

### **Procedure**

- 1. In order to sensitize students, faculty must show visuals of various Textures and describe with an adjective for conversion to verbal expression.
- 2. Students need to collect visuals depicting textures in Nature (eg. bark of trees, ripples in the water, texture on flora and fauna, stones and others)
- 2. Students should also collect visuals depicting textures in Man-made environment (fabric texture, corrugated sheet, wall texture and others)
- 3. Paste at least three visuals from each category on A-4 sheets.
- 2. Present them individually with brief description of each

### **Observation and Discussion**

- 1. Discussion on **Textures** found in Nature.
- 2. Discussion on Textures found in Man-made environment.
- 3. Role of Textures in Design development.
- 4. A walk through a park, historical monument or market.



# Objective

- 1. To improve observation for identifying emotions in the world around them.
- 2. To develop ability to interpret/convert different types of emotions into words
- 3. Conversion of verbal language into design development.

## Material requirement

- 1. A4 sheet/s
- 2. Scissor, glue
- 3. Magazines for selecting pictures

### Procedure

- 1. In order to sensitize students, teachers must show and discuss visuals of various emotions for conversion to verbal expression.
- 2. Students need to collect 10 visuals depicting emotions (e.g. Anger, Happiness, Joy, Loneliness)
- 3. Select at least five such visuals
- 4. Paste these on A-4 sheets.
- 5. Present them individually with relevant verbal description of the emotion.

### Observation and Discussion

- 1. How different types of emotions can be portrayed through colours.
- 2. Students to enact/express different emotions before the class.
- 3. Students may identify movies or plays where emotions have played an important role.





# Objective

- 1. To improve their observation for identifying Balance/Symmetry, Emphasis and Contrast in nature and architecture.
- 2. To develop an understanding of how to use Balance/Symmetry, Emphasis and Contrast in designing products and spaces.

# Material requirement

- 1. A4 Sheet/s
- 2. Scissor, glue
- 3. Magazines for selecting picture

#### Procedure

- 1. In order to sensitize students, faculty must show visuals depicting Balance/Symmetry, Emphasis and Contrast.
- 2. Students need to collect 10 visuals for each category i.e. Balance/Symmetry, Emphasis and Contrast.
- 3. Paste at least five visuals of each on A-4 sheets.
- 4. Present each picture with brief description.

## **Observation and Discussion**

- 1. Discussion on different types of Balance in nature and architecture.
- 2. Students to discuss Balance/Symmetry in Nature (eg. veins on a leaf, a pine tree, the Taj Mahal etc).
- 3. Class discussion on Balance/Symmetry, Emphasis and Contrast in architecture (Mughal architecture, Eiffel Tower, Qutub Minar and others)