

## **AMID-06 WORKSHOP (Ceramics – clay/ plaster of paris)**

### **Course Overview:**

The course provides the foundation and capability to represent the concepts three dimensionally

### **Objectives of the course:**

To introduce various fabrication skills and techniques necessary to produce scale models and to encourage preparation of models as an essential phase in design development and evaluation.

### **Expected Skills / Knowledge Transferred:**

Dexterity; knowledge of materials used and their properties, craft skills; visualization skills.

### **Course contents: Unit –I**

Introduction to model making: Need; role of scale models in design: general practices: Digital models.

### **Unit –II**

Essentials of model making: understanding of various tools and machines employed, best practices involved in operating the tools and the techniques.

### **Unit – III**

Introduction to the Ceramic materials used for model making – clay, types and mixtures, properties etc.

### **Unit – IV**

Hand building techniques- making a box with a lid- hollowing out, pinch pots – making a bowl, coiling – making a cylindrical pot, slab- building – making a cube shaped box, hand building with clay strips- making a vase.

### **Unit – V**

Introduction to molds – waste mold, press mold – walling up the model, plate etc. Hollow casting  
– a vase

### **Unit – VI**

**The potter's wheel – kneading the clay, function of hands in throwing. Learning basic techniques in making different objects like bowl, plate, cylinder, vase, lids, etc.**

### **Unit – VII**

Site visit to ceramic product factory to learn about ceramic glazes, types of glazes, commercially sold ceramic pigments. Documentation of the process of application of glazes by dipping, pouring, brush and spray gun.

**Expected Output :** With the above knowledge the students should make an useful interior product or ceramic

sculpture or ceramic mural along with a written report for internal assessment.

- **Reference Books:**

- Magret Jacque. The Aesthetic Experiences: An anthropologist looks at the Visual Art.
- Tapert, Annette, Swid Powell: Objects by Architects, Rizzoli, New York, 1990.
- Maria Dolores Ros Frijola, The Art and craft of ceramics: Techniques, projects, Inspiration , Lark books,
  - 2006
- Joagium Chavarria, The big book of ceramics: A guide to the history, materials, Equipment and Techniques of hand building, Throwing, Molding, Kiln firing, and glazing pottery and other ceramic objects. Watson – Gupta, 1994.
- Susan Bruce, The Art of hand built ceramics, Crowood Press ,2000