

## **Chapter -4**

### **Design & Development of Furniture**

#### **Discuss the Development and progress of Furniture**

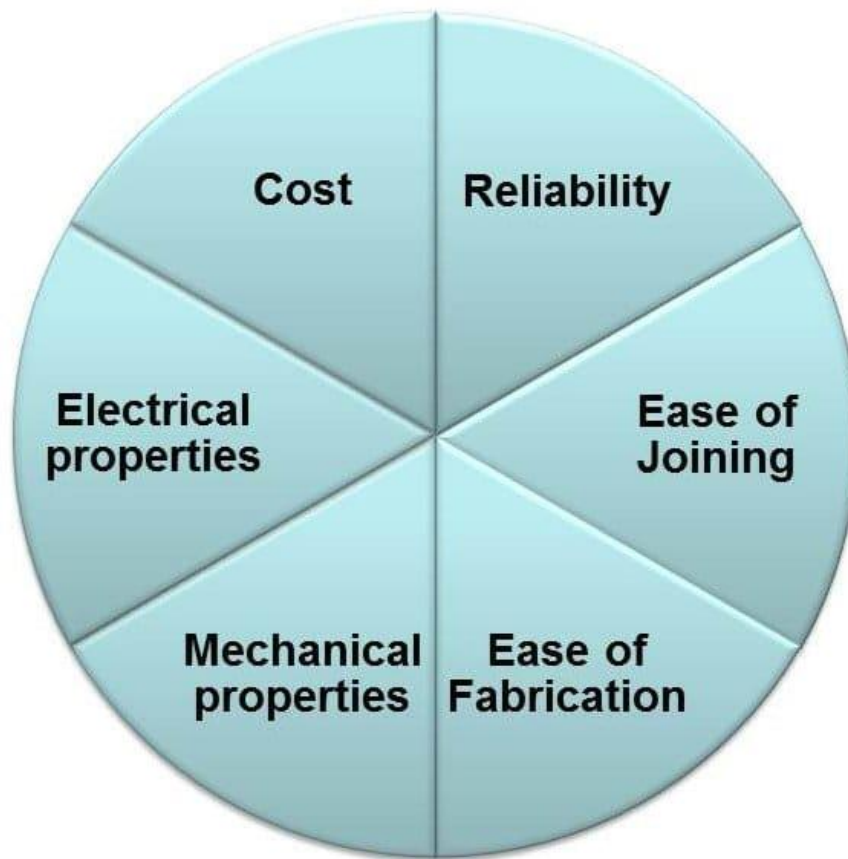
The design of furniture in the middle Ages as a work of art made by top artists creates a great application in the development of a growing number of small pieces of furniture. The design of 15th-century stools, which was governed by nature, and the need for durable, simple and functional shapes, are also today widely used. Today, more homes use upholstery as a kind of decoration and durability. Today's modern furniture, such as furniture design from the 20th century, carries certain features, with simpler shapes and a richer selection of materials and with much simpler decoration. Based on the detailed analysis of the characteristics, as well as their comparison, we can see the connection between them.

#### **Scientific and artistic qualities of furniture:**

During product development and design, the functions has always significant priority. The ever changing design philosophies require accommodations to the new viewpoints. These adaptations, along with technical and technological advances, eventually will lead to the decrease of products or production expenses. The objective may be realized by the application of cost-analysis of design & development methodology, prior to production. Thus, the unnecessary expenses could be eliminated. The essence of usage of functional analysis method in design is an abstract approach where the functions of the products are used to model the realization of demands. The relationships between functions and function-expenses are defined and designed at every step of the development (design). Currently this approach is used in furniture design studios to eliminate redundant functions. Furniture / design / function analysis / methodology / cost optimization / product.

## The criteria for the selection of materials

Some of the important characteristics of **materials** are strength, durability, flexibility, weight, resistance to heat and corrosion, ability to cast, welded or hardened, machinability, electrical conductivity, etc. is the best indicator.



**The economy of Furniture:** In Furniture Construction always have to use materials that's are available in market, durable and low cost.