

## **AR6301 : Mechanics of Structures II**

### **Unit 1 –Shear Force and Bending Moment**

#### **Lecture 1**

#### **Summary**

In this lecture, definition of a beam, load transmission in a structure, types of beams with practical examples and possible types of loading will be considered. Also, the different types of supports and the reactions offered by various supports are being dealt with. This lecture will form a prerequisite for understanding the concept of shear force and bending moment after learning different types of beams and loadings. Further, the sign conventions used while computing shear force and bending moment will be made conversant.