**Module 2: IoT Sensing and Actuation:**

**1. Define sensors and explain their characteristics.**

**2. What are the different types of sensing mechanisms used in IoT?**

**3. Discuss sensorial deviations and their impact on IoT applications.**

**4. Explain the considerations to be made while choosing sensors for an IoT system.**

**5. Define actuators and describe their working principles.**

**6. What are the different types of actuators used in IoT applications? Provide examples.**

**7. Compare and contrast sensors and actuators in IoT.**

**8. How are sensors and actuators integrated into IoT systems? Provide a use case.**

**9. Describe the importance of calibration in sensors.**

**10. Discuss the emerging trends in IoT sensing technologies.**