

## **Module2 topics**

1. Source Coding (Compression) Definition
- 2. Compression Methods:**
  - a. Huffman Coding, coding efficiency, redundancy
  - b. Shannon Fano coding
  - c. Arithmetic coding
  - d. LZW (directory based) coding, compression ratio
  - e. Run length encoding
  - f. Application areas, advantages and disadvantages of each method
3. Instantaneous / Uniquely decodable codes
4. Kraft's Inequality Theorem
- 5. Speech encoding (self study)**
- 6. Video compression (self study)**