## **UNIT 9: The Bernoulli and Poisson processes**

- Stochastic/random processes
- Model arrivals over time
  - memoryless processes
  - discrete time: Bernoulli
  - continuous time: Poisson
- Questions such as:
  - number of arrivals
  - time until the kth arrival
  - interarrival times
  - merging/splitting of arrival streams