3 Lecture - CS501

Important Mcqs

1. What does SRC Processor specialize in?

a) Image processing

b) Sample rate conversion

c) Audio compression

d) Video encoding

Answer: b) Sample rate conversion

What is the primary use of SRC Processor?

a) Data encryption

b) Image rendering

c) Audio signal processing

d) Video decoding

Answer: c) Audio signal processing

Which industry commonly uses SRC Processor?

a) Automotiveb) Construction

c) Banking

d) Audio/Video

Answer: d) Audio/Video

What kind of algorithms does SRC Processor use?

a) Simple algorithms

b) Complex algorithms

c) Linear algorithms

d) Non-linear algorithms

Answer: b) Complex algorithms

What is the purpose of sample rate conversion?

a) To compress data

b) To decompress data

c) To convert data between different sample rates

d) To convert data between different formats

Answer: c) To convert data between different sample rates

What is the advantage of SRC Processor in sample rate conversion?

a) High distortion

b) Low distortion

c) High noise

d) Low noise

Answer: b) Low distortion

Which type of devices use SRC Processor? a) Smartphones

How does SRC Processor achieve high-quality sample rate conversion?

a) Using simple algorithms

b) Using complex algorithms

c) By adding noise to the signal

d) By reducing the quality of the signal

Answer: b) Using complex algorithms

What is the benefit of SRC Processor's efficiency?

a) Lower cost

b) Higher cost

c) Lower quality

d) Higher quality

Answer: a) Lower cost

What does SRC stand for in SRC Processor?

a) Sample Rate Converter

b) System Resource Control

c) Signal Reduction Circuit

d) System Reference Clock

Answer: a) Sample Rate Converter