

# 3 Lecture - CS501

## Important Subjective

### 1. What is SRC Processor?

Answer: SRC Processor is a type of digital signal processing chip that specializes in sample rate conversion.

### What is sample rate conversion?

Answer: Sample rate conversion is the process of converting digital signals from one sample rate to another.

### What kind of applications use SRC Processor?

Answer: Audio and video applications commonly use SRC Processor.

### What are the benefits of SRC Processor in sample rate conversion?

Answer: SRC Processor achieves high-quality sample rate conversion with minimal distortion or noise.

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

Answer: SRC Processor uses complex algorithms to achieve high-quality sample rate conversion.

### What are the primary advantages of using SRC Processor?

Answer: The primary advantages of using SRC Processor are its versatility and efficiency.

### What kind of devices use SRC Processor?

Answer: Smartphones, laptops, audio interfaces, and many other types of audio and video equipment use SRC Processor.

### What is the purpose of sample rate conversion in audio and video applications?

Answer: Sample rate conversion is necessary to ensure compatibility between different audio and video devices.

### What is the main disadvantage of low-quality sample rate conversion?

Answer: Low-quality sample rate conversion can result in distortion, noise, and poor audio or video quality.

### How does SRC Processor improve audio and video quality?

Answer: SRC Processor improves audio and video quality by ensuring accurate and high-quality sample rate conversion.