

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Course Code & Name : **23ECT203 & Linear Integrated Circuits**

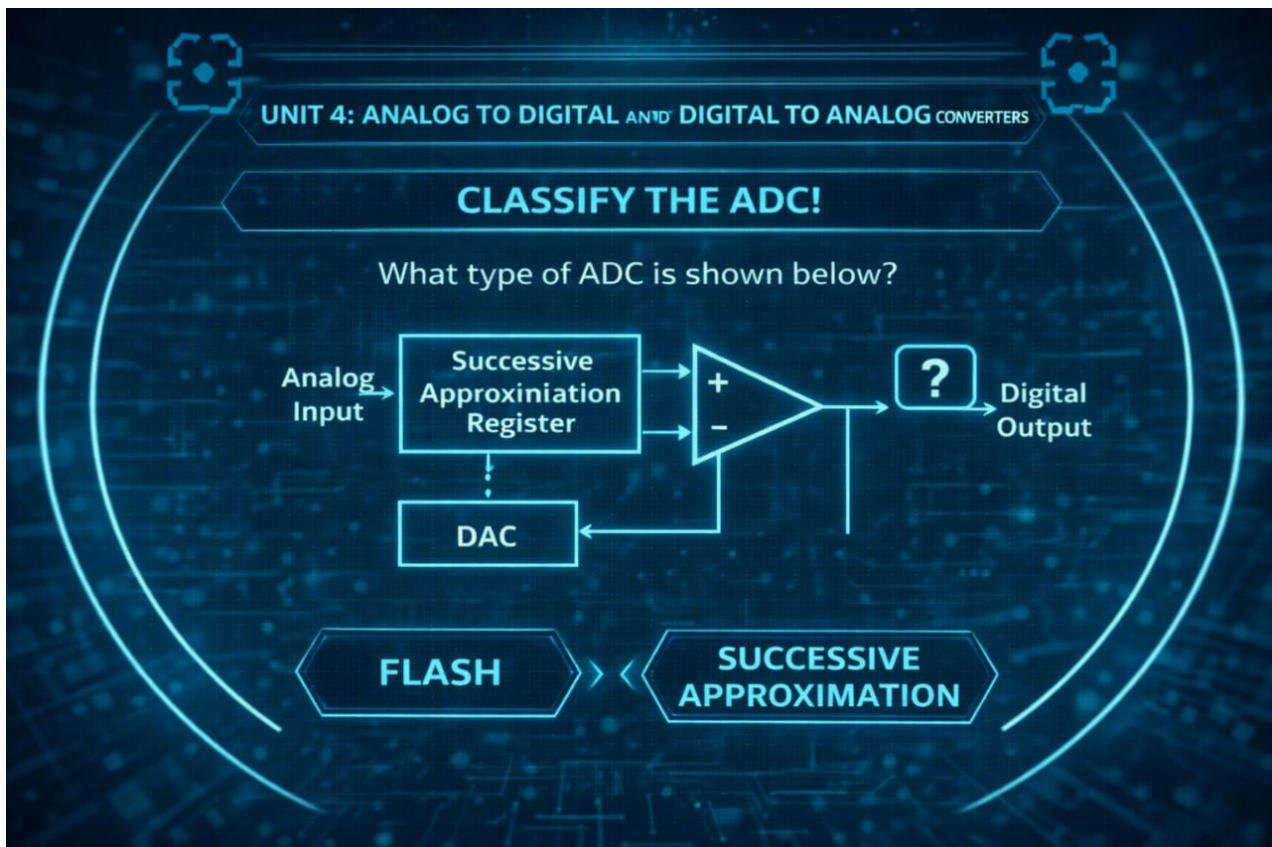
Course Faculty : **Ms.V.Aishwarya AP/ECE**

Puzzles / In Class Activities

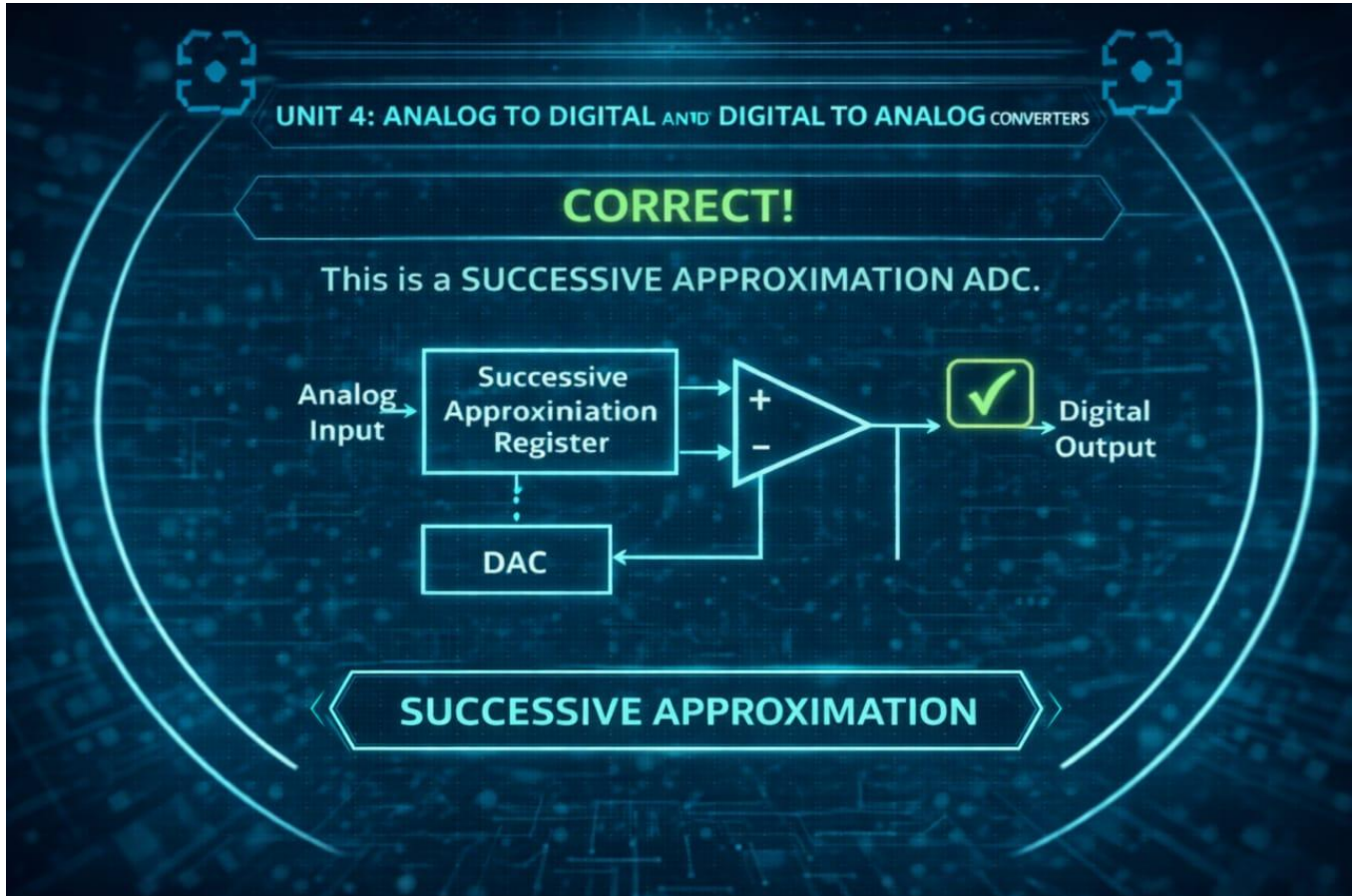
Topics Covered: **Unit 4- ANALOG TO DIGITAL CONVERTER
& DIGITAL TO ANALOG CONVERTER**

Puzzle 1

Question: Identify The Transistor Configuration-Is this common Emmitter or Collector.



Answer :



Puzzle 2

Question : What is the output voltage V_0 for the analog multiplier?

PUZZLE 6

UNIT 4: ANALOG TO DIGITAL AND DIGITAL TO ANALOG CONVERTERS

DETERMINE THE OUTPUT BITS!

What is the digital output for this A/D converter?

Analog Input → ADC → D3, D2, D1, D0

0011 1100

ANALYZE CONFIRM

Answer:

UNIT 4: ANALOG TO DIGITAL AND DIGITAL TO ANALOG CONVERTERS

CORRECT!

The digital output is 0011 in binary.

Analog Input → ADC → D3, D2, D1, D0

0011

ANALYZE CONFIRM