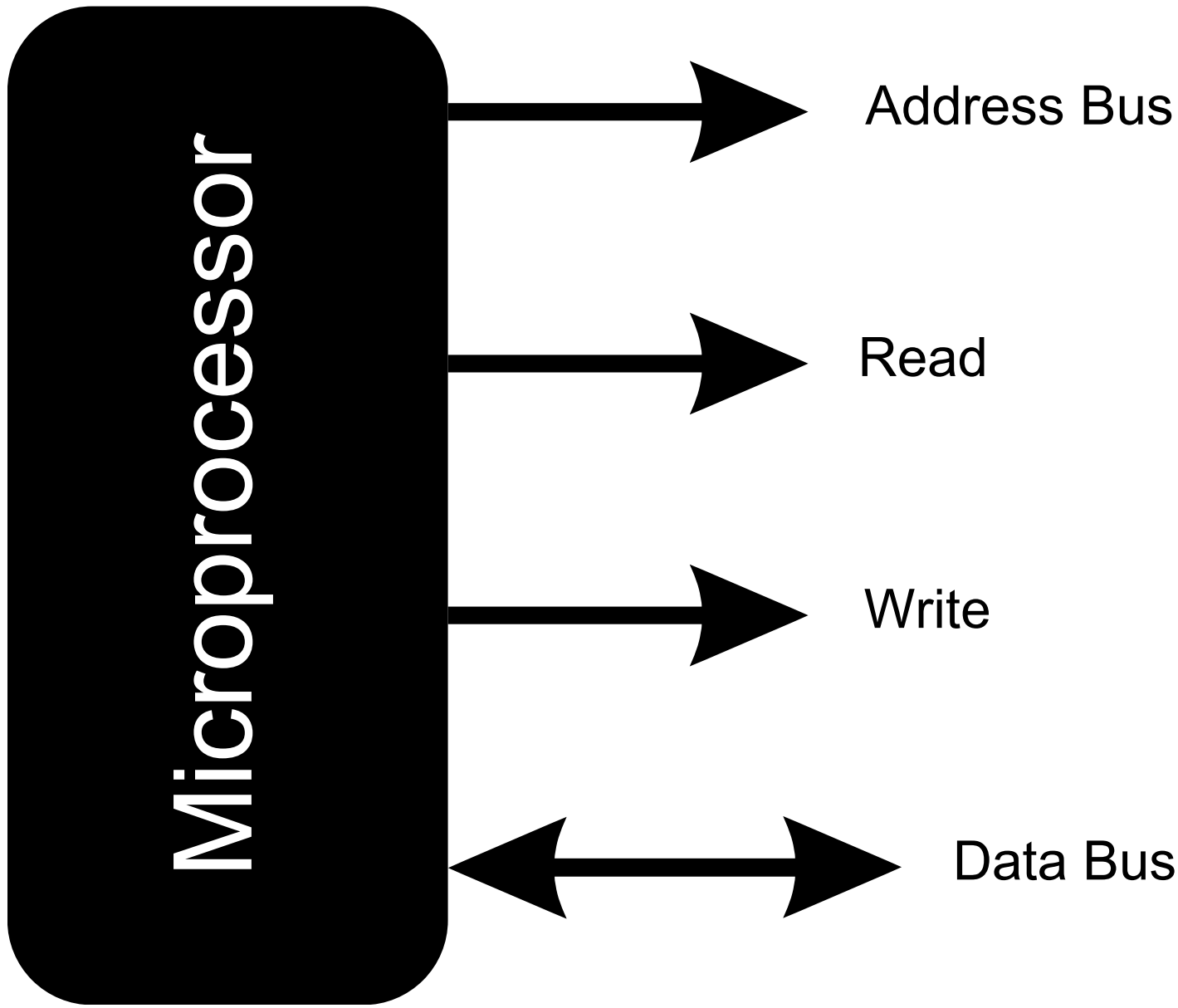
@Sree Vishnu Varthini

Day - 17

Embedded Systems Programming

MICROPROCESSOR BUS SIGNALS



MICROPROCESSOR BUS SIGNALS

ADDRESS BUS SIGNALS

Unidirectional signals: Travel from the microprocessor to memory or I/O devices.

Purpose: Specify the address in memory or a peripheral device where data needs to be read from or written to.

DATA BUS SIGNALS

Bidirectional signals: Allow data to move in both directions, from the microprocessor to memory/peripherals and vice versa.

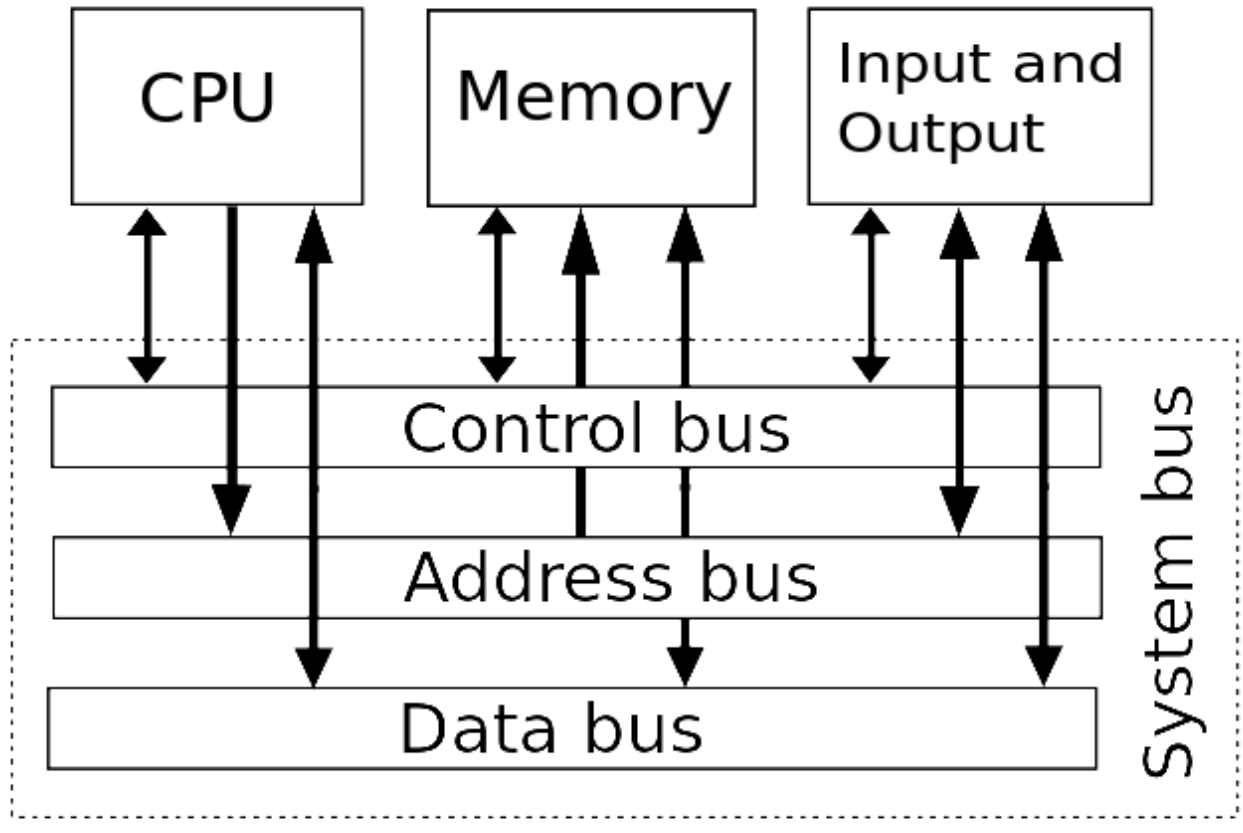
Purpose: Carry actual data that is being processed or transferred.

MICROPROCESSOR BUS SIGNALS

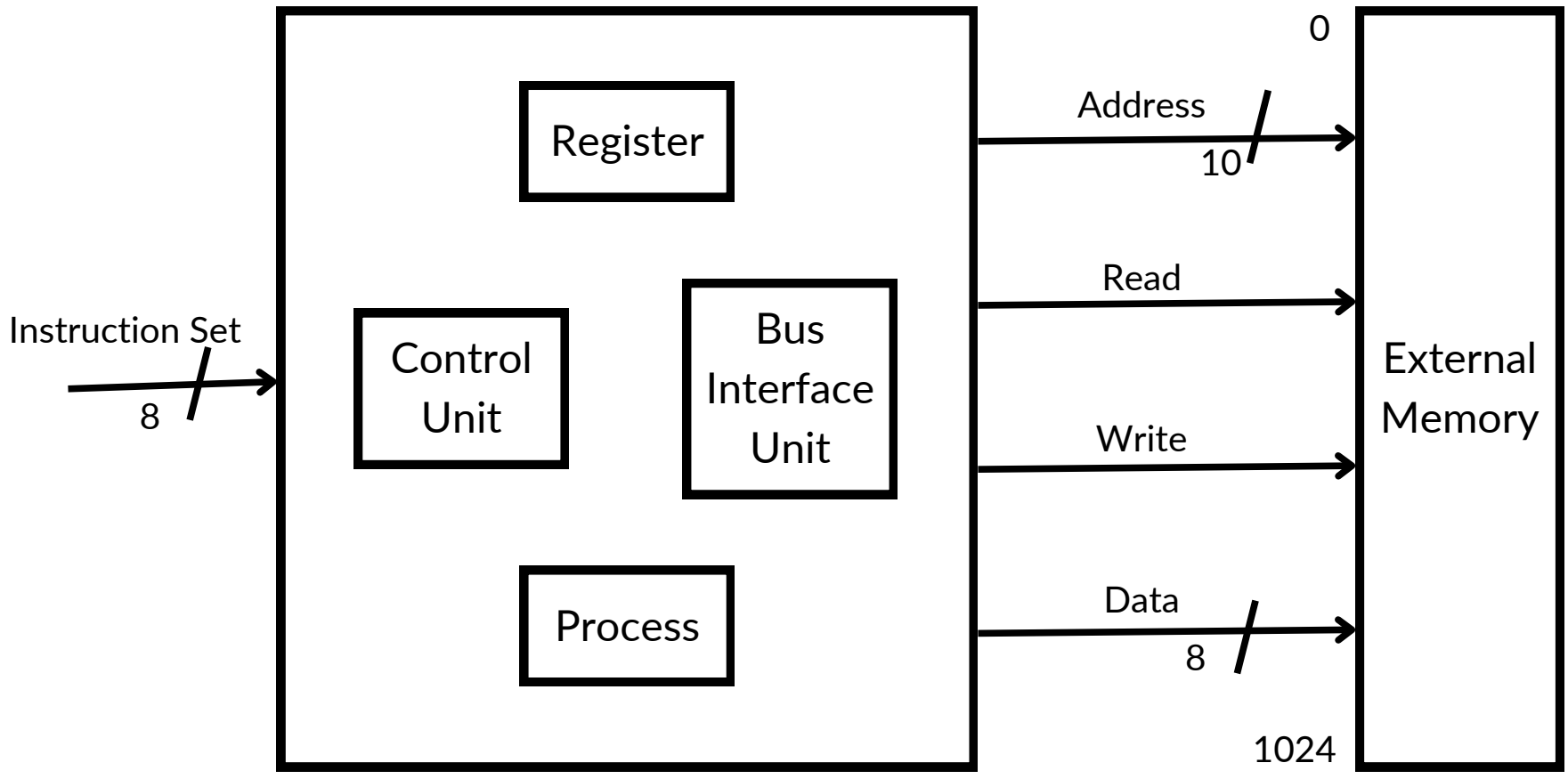
CONTROL BUS SIGNALS

Read (RD): Signals that the microprocessor wants to read data from a memory location or input device.

Write (WR): Signals that the microprocessor intends to write data to a memory location or output device.



BLOCK DIAGRAM



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P.S. You can access the **Embedded Systems Programming** course by contacting **Balajee Seshadri** Sir through the WhatsApp number provided on his linkedin profile.