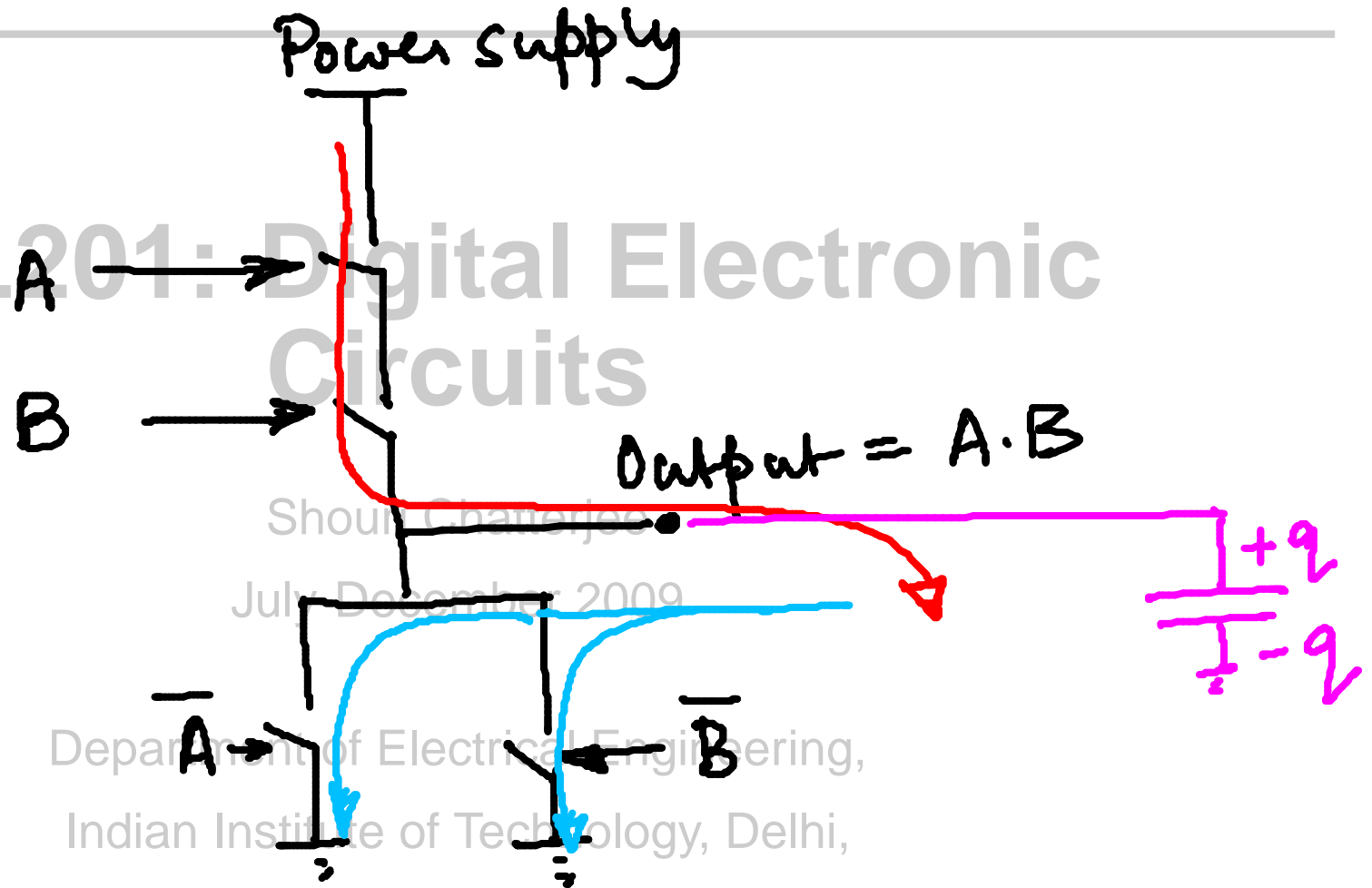


GATES

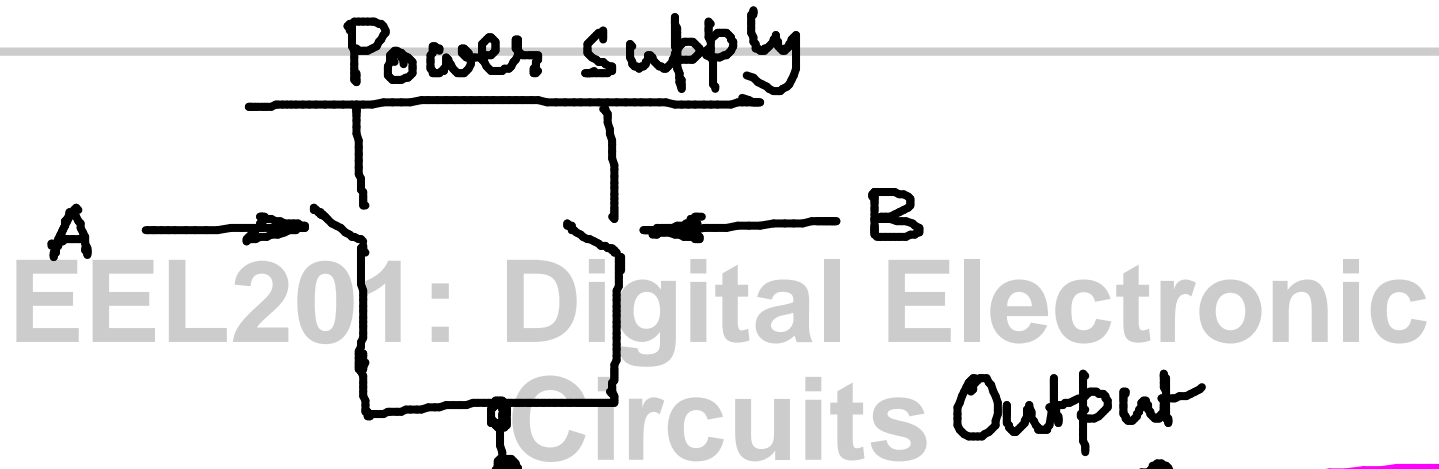
AND GATE



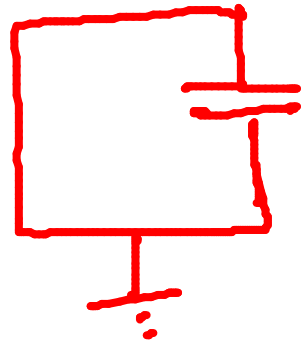
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We need switches

current controlled switch

1. Bipolar junction transistors (BJT)

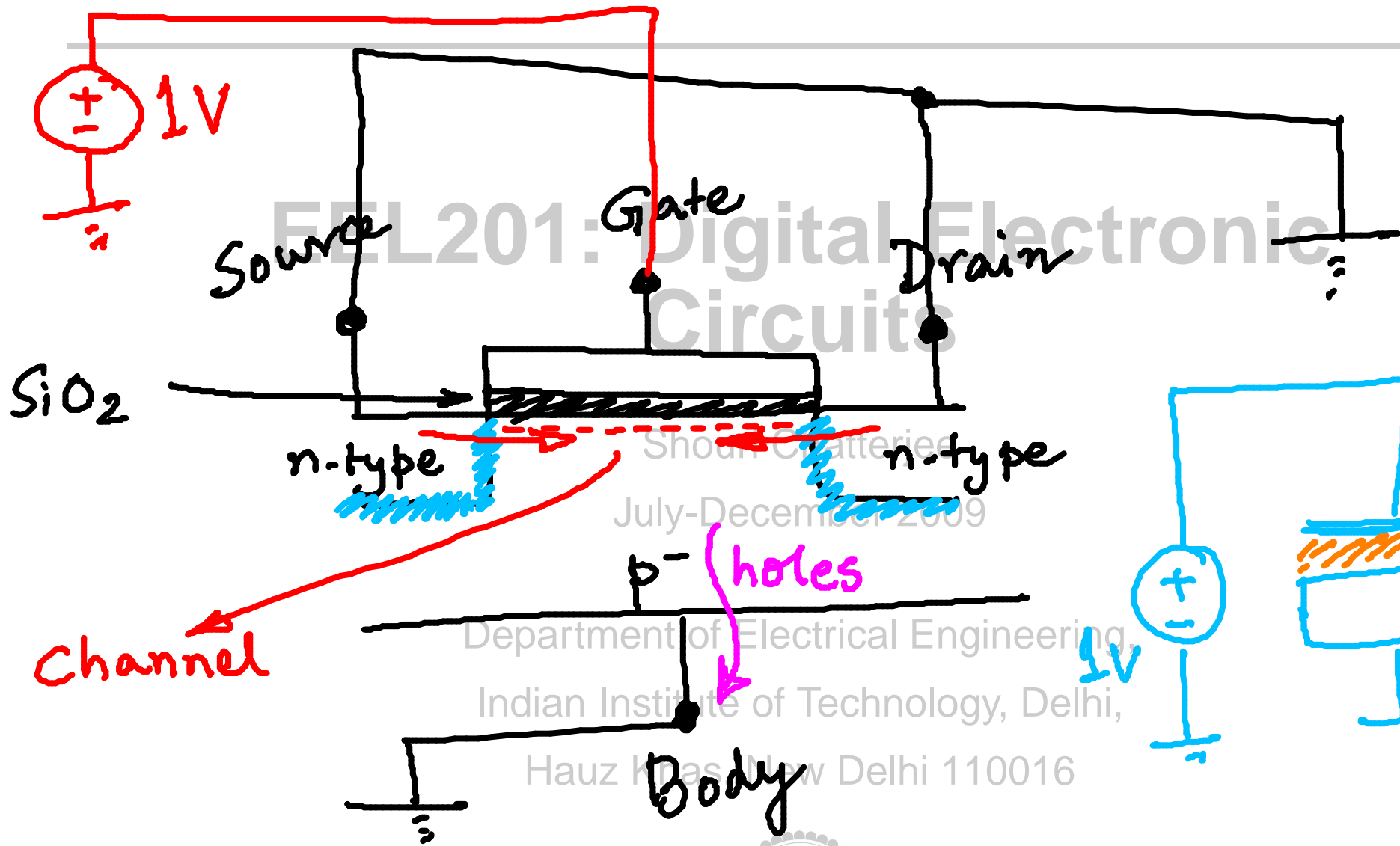
2. Metal-oxide-semiconductor field-effect-transistor (MOSFET)

Cheap

voltage controlled switch

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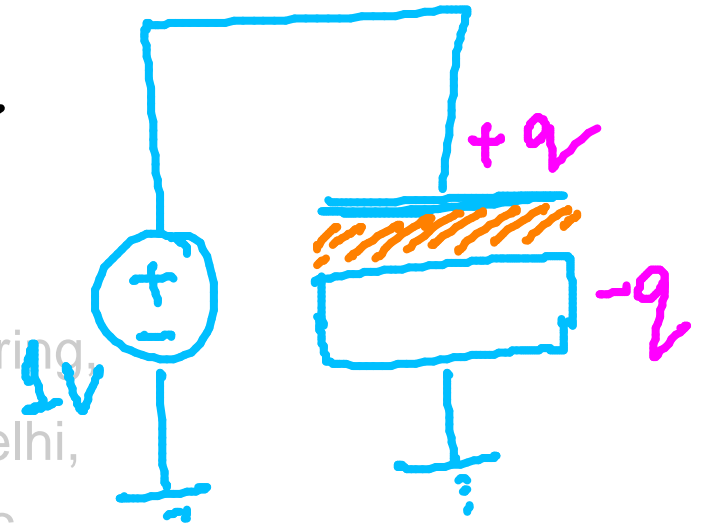




n-type

MOSFET

(nMOS)



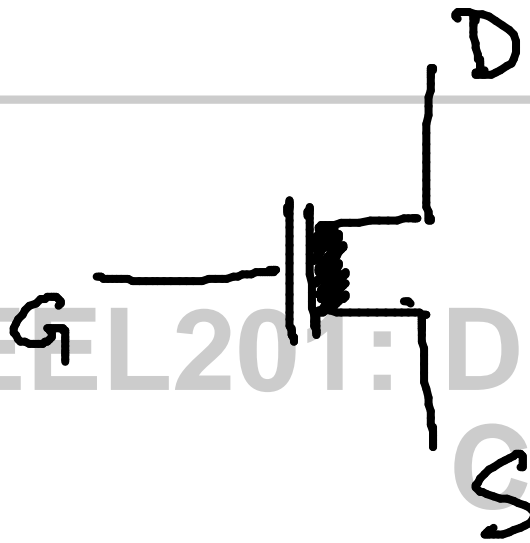
EEL201: Digital Electronic Circuits

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nMOS

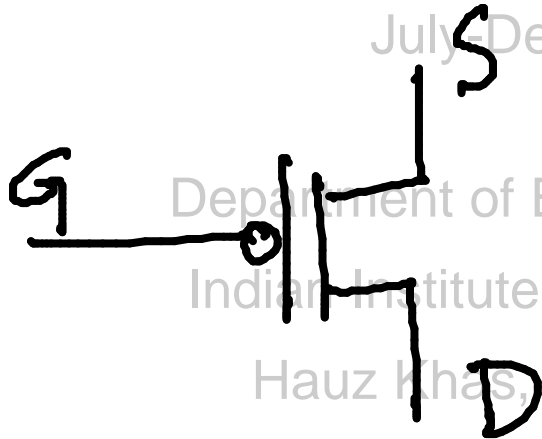


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pMOS



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