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NPTEL Video Topic & Youtube Link

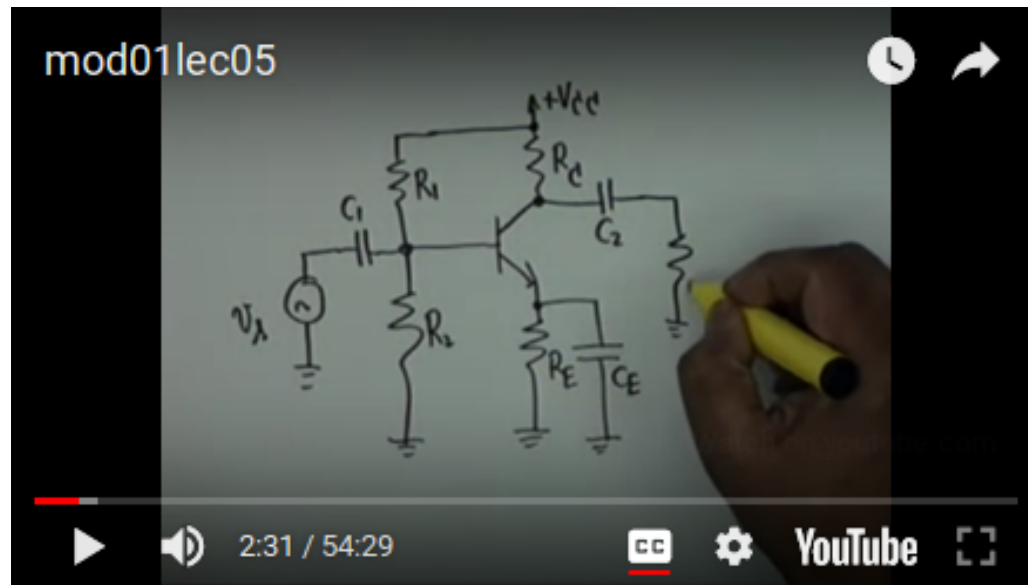
- **Topic:**

BJT Biasing & BJT Stability

- **Link of Video**

<https://www.youtube.com/watch?v=l6M6FvjUdTI&w=560&h=315>

Reflection Spot



- **Reflection Spot Questions:**

Q1. what is the need of coupling capacitor?(at 2.31 min)

Ans: To separate AC and DC signals to interface in I/O

Q2. What is need of biasing? (at 5 min)

Ans: To apply appropriate voltage levels at transistor terminals

Learning by Doing Activity(LbD)

Lbd 1: When emitter is in active region what is the drop across it?

- a. 1.0V
- b. 0.2V
- c. 0.7V

Lbd 2: Bypass capacitor is connected to which terminal of transistor?

- a. Collector
- b. Base
- c. Emitter