# **Central Playlist [Bengali]:**

***\*\*This playlist contains the most recent recordings of the present syllabus. It starts from Week 2. You can use the other videos as additional materials.\*\****<https://youtube.com/playlist?list=PLPf6M92pkd7DRilBZLzKot-39S215ksSw&si=3i2rYrRkqk78PtGq>

# **Additional Materials [Both English + Bengali] Week 1**

## **Lecture 1: Introduction**

[Overview 1 | Automating Logic Operations and Fundamental Principle of Computational Hardware](https://youtu.be/C1Xv0YCN6Bw?list=PLvj5w6iNZqVgmrLWcUvi1GLRPLSK_Pd3X)

[Overview 2 | Electronic Switching and The Birth of Vacuum-Tube Transistors](https://youtu.be/G8M3blhGNs0?list=PLvj5w6iNZqVgmrLWcUvi1GLRPLSK_Pd3X)

[Overview 3 | Solid State Transistors and the Modern Digital Infrastructure](https://www.youtube.com/watch?v=4fCvXE8iKwE&list=PLvj5w6iNZqVgmrLWcUvi1GLRPLSK_Pd3X&index=4)

[Overview 4 | Electronics in The Computation Stack](https://www.youtube.com/watch?v=KuWrsNL0Zd0&list=PLvj5w6iNZqVgmrLWcUvi1GLRPLSK_Pd3X&index=5)

[Overview 5 | Branches of Electronics](https://www.youtube.com/watch?v=lCOKWe6lRYs&list=PLvj5w6iNZqVgmrLWcUvi1GLRPLSK_Pd3X&index=6)

## **Lecture 2: Nodal analysis, KVL, KCL, and alternate diagrams**

### **Class recordings [ABA]:**<https://www.youtube.com/watch?v=7-xENdw3Tx0>

**[SDA]:** <https://youtu.be/WkrJVwrBZeQ?list=PLvj5w6iNZqVgmrLWcUvi1GLRPLSK_Pd3X>

### **buX Videos:** Part 1:<https://youtu.be/UCRUMreADvE> Part 2:<https://youtu.be/HCxVdSVSnWI> Part 3:<https://youtu.be/YAVYUtsMjg4> Part 4:<https://youtu.be/XeRCl629iiY> You can go through either the buX videos/ the lecture recordings. Both are fine. You don't need to cover both.