

1-ACA Unit 1

1.ACA-Fundamental and Trends
https://youtu.be/sboeCriy_M

2. Trends and Performance Metrics
<https://youtu.be/cB1EZMrdXpA>

3. Moore_s Law&Flynn_s classification
<https://youtu.be/XNdloAHSoQk>

4. Defining computer architecture & ISA
<https://youtu.be/vJzEpeaJngU>

5. Trends in technology-Power
<https://youtu.be/bKmV6T10NLs>

6. Trends in Cost
<https://youtu.be/yljb0x7MCtc>

7.Trend in reliability & performance
<https://youtu.be/Md-4GXe-qtU>

8.Amdahal_s Law
<https://youtu.be/dH19ZRo022k>

9. Iron law
<https://youtu.be/-Sm53y4UYHw>

2-ACA Unit 2

1. Memory Hierarchy basics
<https://youtu.be/MPBJuwzG-ss>

2. Cache Coherence
<https://youtu.be/zMG-xZ7Nago>

3. Cache performance & mapping
<https://youtu.be/JyIDtIK2xX4>

4. Direct mapping practice
<https://youtu.be/sK7f4EzNhNY>

5.Fully associative mapping
https://youtu.be/Arab5Kd_2r8

6. Set associative mapping
https://youtu.be/d_kQWLgsgws

7. cache optimization
<https://youtu.be/-Zj5Ei5kvU4>

8.cache optimization 2
https://youtu.be/CK0bMO_JX6Y

9. Advanced cache optimization
<https://youtu.be/ka3byYqFKa8>

10.Virtual Memory
<https://youtu.be/aYGhs90HoLE>

11. Fast addressing translation
<https://youtu.be/T3o1KLJphHY>