

COMPUTER ENGINEERING DEPARTMENT

B.E. 4th SEMESTER

**SUBJECT: COMPUTER ORGANIZATION
ARCHITECTURE**

SUBJECT CODE: 3140707

Sr.No.	Topic	Link	By
1	Computer Data number Representation	https://youtu.be/AbyKnQZEq_E	Nptel courses IIT kharagpur
2	Instruction format and addressing modes	https://youtu.be/s4cVdsK3XiQ	Nptel courses IIT kharagpur
3	Assembly language programming basic	https://youtu.be/py5dDqOHIDk	IIT kharagpur
4	Micro programmed Control unit	https://www.youtube.com/watch?v=X6GbaLQUuz8	Education 4U
5	RISC and CISC	https://youtu.be/VfSDmxbtoaA	Nptel courses IIT kharagpur
6	Pipelining concepts	https://youtu.be/R41DfN3NpIM	Nptel IIT kharagpur
7	Vector Processing	https://youtu.be/BBc1I-Ov-t8	Nptel IIT kharagpur
8	Input-Output Organization	https://youtu.be/Y17TLZCSe4M	Nptel IIT kharagpur
9	Memory hierarchy	https://nptel.ac.in/courses/106/105/106105163/	Nptel IIT kharagpur
10	Cache memory	https://nptel.ac.in/courses/106/105/106105163/	Nptel IIT kharagpur
11	Design and implementation of CPU	https://www.youtube.com/watch?v=2Is7B5D2Ya8	Education 4U
12	Multi processors	https://nptel.ac.in/courses/106/105/106105163/	Nptel IIT kharagpur

Note: These video links references are for purpose of depth technical understanding, and in no case imply for GTU syllabus or GTU exam. For GTU syllabus or exam related preparation, one may, however will need to attend college lectures and refer books given by GTU in their official syllabus.