

CSE 306 (Computer Architecture Sessional)

January 2024

Instruction Set:

Decimal (Opcode)	Instruction ID	Category	Type	Instruction
0(0000)	E	Logic	R	and
1(0001)	F	Logic	I	andi
2(0010)	N	Control-conditional	I	beq
3(0011)	P	Control-unconditional	J	j
4(0100)	O	Control-conditional	I	bneq
5(0101)	C	Arithmetic	R	sub
6(0110)	D	Arithmetic	I	subi
7(0111)	B	Arithmetic	I	addi
8(1000)	I	Logic	S	sll
9(1001)	G	Logic	R	or
10(1010)	A	Arithmetic	R	add
11(1011)	H	Logic	I	ori
12(1100)	M	Memory	I	lw
13(1101)	J	Logic	S	srl
14(1110)	K	Logic	R	nor
15(1111)	L	Memory	I	sw