COMPUTER 1

1. About Computer\_1

(Explain, what is computer 1 with its architecture).

1. About Logisim.

(Include what is logisim and why logisim is used in the implementation of computer1).

1. Instruction Set of Computer 1.

(Explain each instruction with controls and micro operations).

1. Implementation of CU.

(Show circuits of all control signals)

1. Implementation of ALU.

(Explain ALU of computer 1 with circuit diagram)

1. Implementation of I/O system.
2. Circuit of whole system.

System testing (Test your system with four different programs, show content of all registers and flags during the execution of program).