DATAPATH OF A PROCESSOR — MILESTONE 3

Legend:
- LOAD (red)
- R TYPE INST. (magenta)
- STORE (green)
- BNE (black)
- JUMP (light green)

Components:
- PC
- INSTRUCTION MEMORY
- ADD
- 4
- REGISTER FILE (Read r1, Read r2, Write data, Read data1, Read data2)
- Shift left 2
- ADD
- MUX
- ALU
- MUX
- SIGN EXTEND
- DATA MEMORY
- MUX

GROUP 11
- E/12/088
- E/13/415