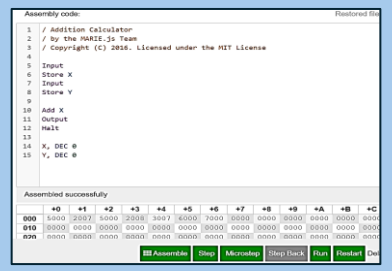
Learning Microcomputers and Microprocessors

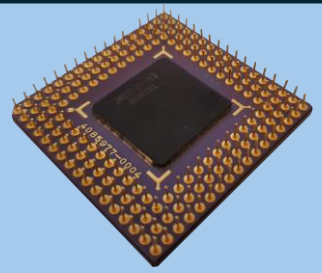
The problem

Software Simulator



- Only theoretical approach
- No hardware point of view

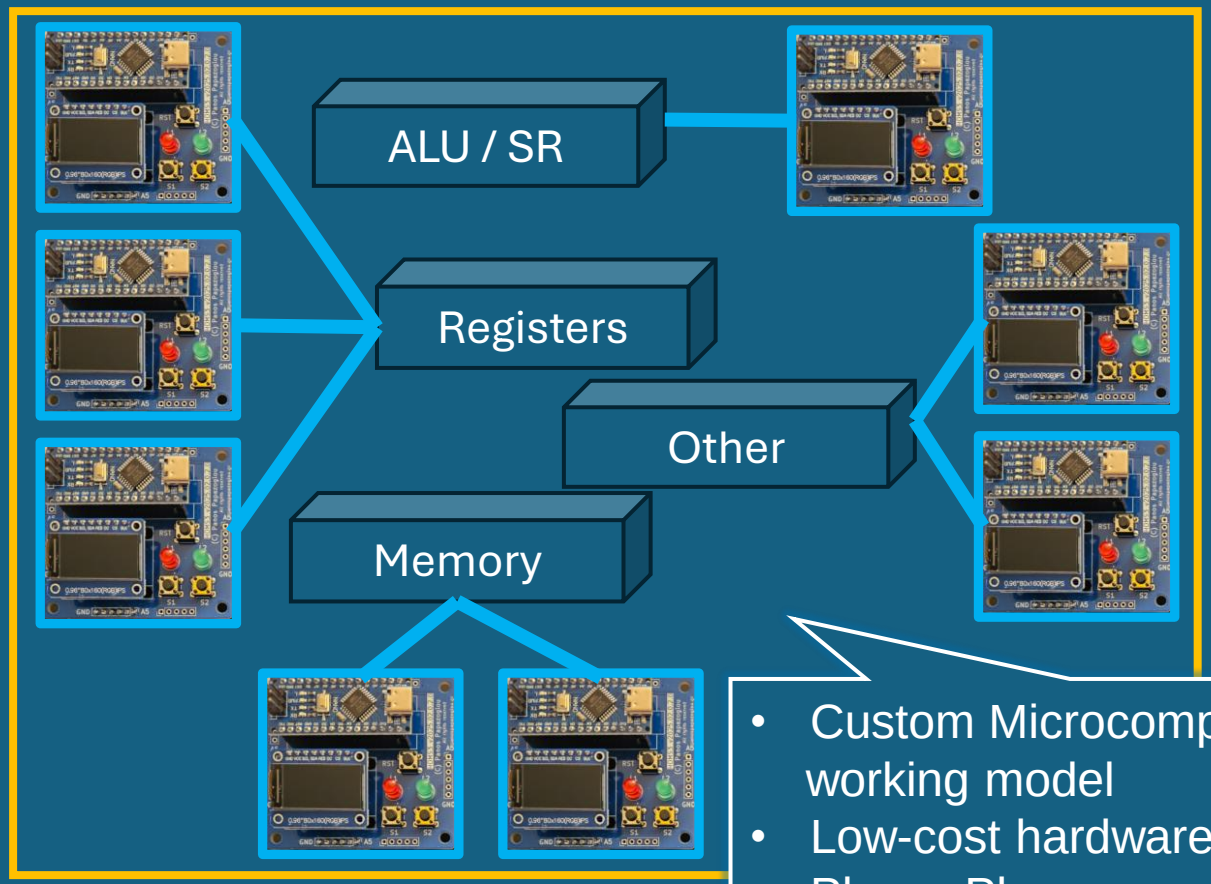
Real microcomputer-microprocessor



- Too complicated
- No hardware tools exist for the class

A Low-Cost Plug-n-Play Educational Hardware-Oriented Microcomputer Simulator Development Kit (HOMSDK)

Proposed solution



- Custom Microcomputer working model
- Low-cost hardware
- Plug-n-Play programmable bricks
- Custom assembly instructions
- GUI software support