**FPGA board Nexys 3 from Digilent with a Xilinx Spartan-6**

The interfaces and components are utilised:

* Xilinx LogicCORE IP MicroBlaze Micro Controller System
* Serial RS232-Interface
* LEDs and 4-digit Seven Segment Display
* Push Buttons and Slide Switches

These development tools are used to program the FPGA device:

* Xilinx Integrated Software Environment(ISE) as integrated development environment (IDE) for hardware components.
* Xilinx Software Development Kit (SDK) as integrated development environment for software components. The SDK is built on Eclipse.
* H-Term as terminal for the serial interface.