Infrastructure / Equipment Overview Table

Laboratory for Computer Systems Organisation and Computer Networks

	Details
Partner	University "St. Kliment Ohridski" - Bitola, Faculty of Information and Communication Technologies
Equipment type	Laboratory for Computer Systems Organisation and Computer Networks
Target Group	Startups, Industry, Public Administration, Researchers
Key Technology	Computer Systems Organisation, Systems Software, Computer Networks, Artificial Intelligence, Cyber Security
Status	Ready to use
Requirements for Participation	Relevant project or need, basic technical knowledge

Description of Available Infrastructure and Equipment

The goal of the Laboratory for Organization of Computer Systems and Computer Networks is for students of the Faculty of Information and Communication Technologies (FICT) and other interested persons to acquire practical knowledge, skills and abilities through laboratory exercises and research work, with which they can respond to the needs of the labor market. The laboratory primarily holds laboratory exercises in subjects in the areas of computer systems organization, computer systems architecture, system software, computer networks, information systems, data processing, artificial intelligence and intelligent systems, robotics, user interfaces, and cybersecurity, and security of operating systems and networks.

The laboratory is used by students of the Faculty of the first, second and third cycle for teaching, scientific research and applied work.

Laboratory is equipped with 20 computers. Laboratory has equipment for cyber security testing: Raspberry Pi – 2 pieces, UltraBlock SATA/IDE Kit – 1 piece, UltraBlock PCIe Kit with PCIe SSH Adapter bundle – 1 piece and UltraBlock USB3 Kits – 1 piece.

In the Laboratory there are 2 pieces Virtual assistant Alexa for artificial intelligence assistants testing.

All lecture halls for holding classes at the Faculty are equipped with projectors. Other equipment at the Faculty's disposal is a modern sound-proofed amphitheater, printers,

copiers, laptop computers, a modern network infrastructure that covers the entire facility with wired and wireless internet.