VORONEZH REGIONAL CENTRE FOR ARTIFICIAL INTELLIGENCE

MASTER'S PROGRAMMES:
- Machine learning and intelligent systems
- Data analysis and machine learning in financial technologies
- Intelligent information technologies
- Mathematical foundations for computer graphics
- Management of IT projects and development teams in data science
- Neural network technologies and intelligent systems
- Building machine learning systems with Python
- Recommender systems and data mining
- Probabilistic models of machine learning
- Modern neural network technologies
- Expert information processing
- Banking IT infrastructure
- Optimisation methods
- Big data analysis
- Soft computing
- Data mining
- Computer vision
- Parallel programming
- Basic agent-based systems
- Natural language processing
- Statistical data analysis systems
- Data warehouses and OLAP technologies
- Discrete optimisation models and methods
- Data mining
- Programming and scientific computing using Python
- Intelligent information systems and the technologies for their development
- Knowledge engineering and knowledge base design
- Information security and data protection

EXAMPLES OF COURSES:
- ~ 100 million roubles equipment cost
  - Advanced system of data storage and processing
  - Quick and stable data access
  - Increased information protection
- ~ 2000 Artificial intelligence specialists in all training programmes over 4 years
- 51 computers
  - Intel® Core™ X-series processors,
  - virtual and augmented reality
  - GeForce® RTX with ultrafast 11 Gb RAM,
  - 4352CUDA cores,
  - processing graphic images of any complexity
  - multiplied acceleration of calculations
- Unique laboratory equipment of AO Research and production centre “ELVIS”
  - Interaction with enterprises of the defence industry complex

SUPERCOMPUTER CENTRE with the top capacity of 39 Tflops, 28 Tflops in the Linpack test.

METALLOGRAPHIC STUDIES
- SYSTEMS FOR DIAGNOSIS AND PROGNOSIS OF DISEASE DEVELOPMENT
- VARIOUS PROJECTS (CHAT BOT, IMAGE CLASSIFICATION, ETC.)
- AUTOMATIC CLASSIFICATION OF CUSTOMER REQUESTS
- DEFECT DETECTION BASED ON VIDEO STREAM DATA
- EDUCATION CENTRE FOR TRAINING ML SPECIALISTS

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