LEGAL STATUS

Bulduri Technical School (BTS) is a structural unit of Latvia University of Life Sciences and Technologies.
Ancient Bulduri mansion lands first mentioned in historic sources at the end of the 15th century as fishermans village. From 1905 there is the Bulduri Horticulture School - oldest such kind of school in Latvia. Dendrology Park is located in the territory of the School, which familiarize itself with a variety of collections of flowers and trees.
COMPETENCE CENTRE TODAY
STRUCTURE DIAGRAM OF THE INSTITUTION

1. SCHOOL
2. LANDSCAPE GARDENING AND PLANT PRODUCTION
3. PROPERTY MANAGEMENT
4. FINANCIAL SUPPORT
5. ADMINISTRATION
6. BULDURI BIOTECHNOLOGY CENTER
7. LIFELONG EDUCATION
BASIC PURPOSE OF BTS ACTIVITY

MISSION
Preparation of European-level competitive specialists

VISION
Will be North Europe center of excellence in near future (high professional competence of the industry + good service = excellence)

VALUES
- An innovative and science-based approach to the learning process with the latest technology
- Public welfare
- School traditions that have been maintained for centuries
- The uniqueness of the location and scenic environment
KNOWLEDGE TRIANGLE

SCIENCE
- Projects
- Conferences
- Publications

BUSINESS
- Services
- Quality

EDUCATION
- Classes
- Lifelong education
- Attending science events
- Competitions
STUDENTS AND STAFF

- Teachers 35
- Technical staff 42
- Administration 19

Currently **286 students are studying in the educational institution**, 202 of them are studying professional secondary education programs, and 84 are studying Professional further education and improvement education programs.
TYPES OF PROGRAMS

- Vocational secondary education programs;
- Professional vocational education programs;
- Professional continuing education programs;
- Professional development programs;
- Non-formal education programs.
AT BULDURI TECHNICAL SCHOOL, IT IS POSSIBLE TO LEARN:
HORTICULTURE TECHNICIAN

THE EUROPEAN QUALIFICATIONS FRAMEWORK LEVEL 4
FLORISTICS SPECIALIST

THE EUROPEAN QUALIFICATIONS FRAMEWORK LEVEL 4
LANDSCAPE CONSTRUCTOR

THE EUROPEAN QUALIFICATIONS FRAMEWORK LEVEL 4
ARBORIST

THE EUROPEAN QUALIFICATIONS FRAMEWORK LEVEL 3
HOSPITALITY SERVICE SPECIALIST

THE EUROPEAN QUALIFICATIONS FRAMEWORK LEVEL 4
COOK

THE EUROPEAN QUALIFICATIONS FRAMEWORK LEVEL 4
Plant Tissue culture laboratory, where BTS students' study and take part in practical work. An opportunity to develop the Student's Scientific Research Work.

Research on plant viruses is carried out in the molecular biology laboratory.

Agrochemistry laboratory is currently undergoing accreditation.

Our school is the only vocational education institution in Latvia, which has a laboratories of this type.

DIRECTIONS FOR DEVELOPMENT

- EUROPEAN GREEN DEAL
- «FARM TO FORK»
- SMART MANAGEMENT OF PROCESSES, AUTOMATION
The 2nd conference of Cost Action CA21157 COPYTREE

IN VITRO CULTURE OF WOODY CROPS: PROBLEM SOLVING BY NEW APPROACHES

22 - 24 April, 2024 | Bulduri Technical school, Jurmala, LATVIA

- 3 days in Bulduri Technical school
- >100 participants
- 30 countries represented
Modernly equipped greenhouses with an area of 2400 m².

Students learn the necessary skills for the profession and enjoy spending their free time tending to the vegetables and flowers.

About 200 different varieties of plants are regularly displayed in greenhouses.

Greenhouses are supplied with rain/snow water from a specially built large pool.

The greenhouse has a transformable roof.

The greenhouse has its own meteorological station, which helps to regulate the activities inside the premises.
STUDENT DORMITORIES

- The renovation project in the dormitories was completed in 2023.
- Each room has a bathroom, furniture and blankets, pillows, etc.
- On each floor there is a laundry room.
- Available wi-fi, a computer room, study rooms for the hospitality program, a recreation room with board games, a bicycle shed, a volleyball court.
DENDROOLOGICAL PARK AND POND

- In the school park, a total of around 800 woody plants of different breeds.
- 9 of which are state-important, 128 dendrological rarity, 34 visually valuable trees, 1 ecological-valuable tree and 255 other valuable trees.
- There is also an area with 21 rose variety and park roses.
- 15 varieties of lilac.
- The total school flower collection is ~10 000 m2.
The Department of Lifelong Education of BTS implements professional further education and different types of training for adults in person and online - Courses, master classes and various types of professional development programs.

Courses for adults

- In horticulture
- In fruit growing
- In catering
- Floristics
- In horticulture
- Various hobbies
At the same time Bulduri Technical School implements **19 different projects**!
Objective of the project:
To draw up and implement in practice a robotic, autonomous platform Latvijas iDārzs (Latvian i-Garden) that will ensure plant monitoring and tending function as well as automation and digitalization of the production process.

Activities:
Within the project, research will be carried out to master new knowledge and skills, regarding operation of the robotic platform iDārzs as well as a prototype of iDārzs with integrated modules of cameras and sensors, equipment and software will be developed in the laboratory environment.

Bulduri Technical school - Project Lead Partner

Total budget EUR 500’000
Period 01.05.2019 - 31.10.2022
ERASMUS + SUSTAINABLE Z-FARMING

Comparing aeroponics systems

Total Budget EUR 30 000
Period 01.09.2022 - 01.09.2024
INTERREG CENTRAL BALTIC PROGRAM
PROJECT NR. CB0100153
“TAKE THE CHALLENGE!”
IN TRADITIONAL TIMBER FRAMING

Tasks:
- Workshops for young people in traditional timber framing in Latvia and Estonia
- Elaboration of educational booklet

Lead Partner - Bulduri Technical school
Partner: NGO Vanaajamaja/ Estonia

Total budget EUR 412’000 EUR
Period 01.04.2023 - 30.03.2025
THANK YOU!

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