IMPLEMENTATION & FUNCTIONING of the IT INFRASTRUCTURE OF VIC

Erasmus+ Providing of Academic Freedom and Inclusion through Digitalization
AFID

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VIC: Concept Overview

- Goal: Build a digital campus promoting equity, accessibility, diversity, and inclusion.

- Target groups: Students, faculty, administrators – especially underrepresented groups.

- Platform: MS Teams + web portal for registration and access.
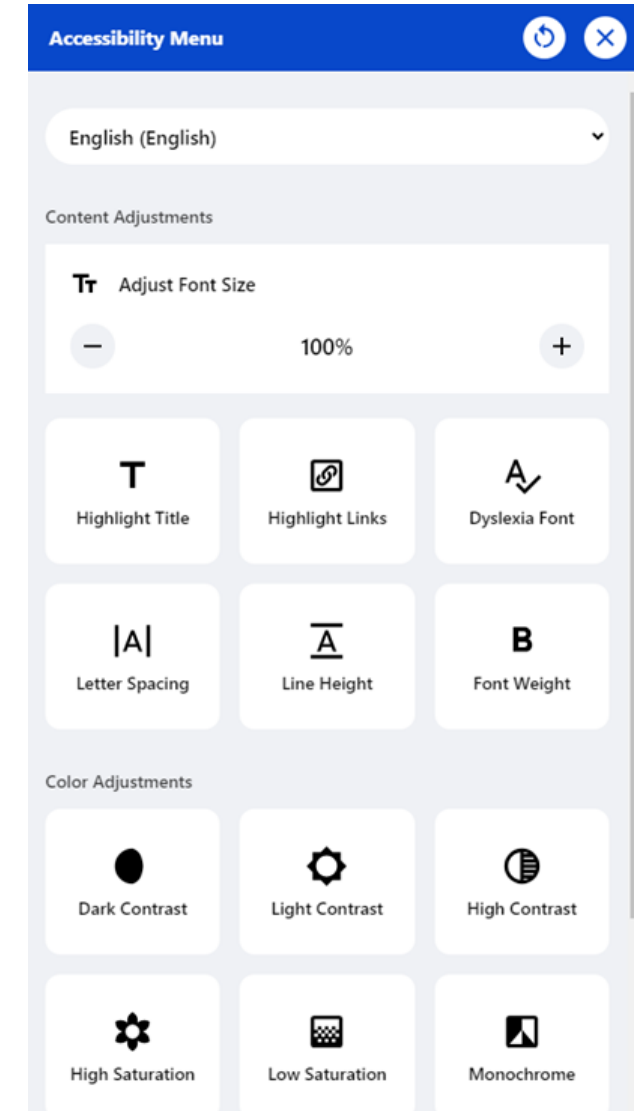
Key Objectives

- Remove barriers to education for all.

- Support diverse learning needs with inclusive digital environments.

- Foster community, engagement, and belonging.

- Provide a safe and inclusive online space.

VIC Architecture

- Web Application: Hosted by partner university (vic.hneu.edu.ua).

- Core Platform: MS Teams – inclusive course delivery.

- Access Roles: Students, Professors, Admins, Main Admin.

Inclusive User Experience

- Accessibility Widget: Zoom, color settings, reading guide, big cursor.

- Multilingual, subtitle support.

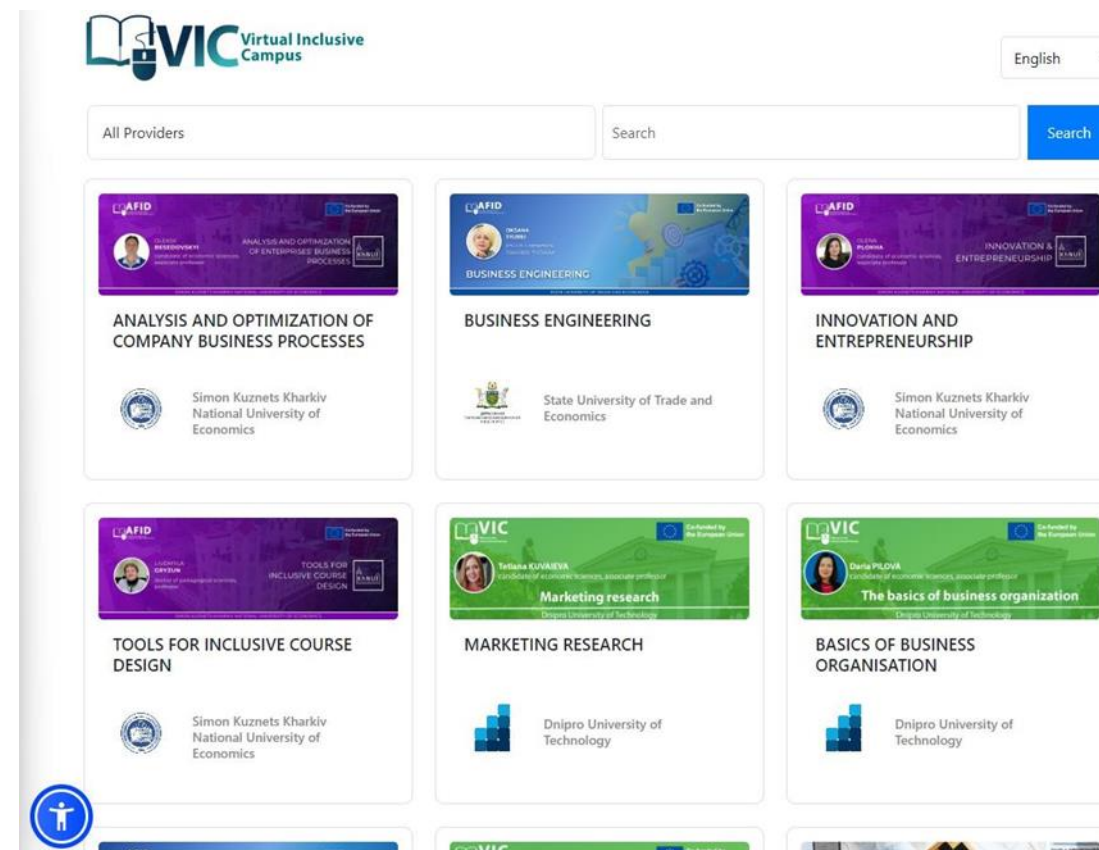- Inclusive course design for various disabilities and flexible learning.

Technology Stack

- Backend: Django (Python MVC framework) – secure, scalable.

- Frontend: Bootstrap – responsive, accessible (WCAG-compliant).

- Database: MySQL – structured schema, role-based access.

- Cloud/Server: Hosted securely by partner university.

Core Functions for Students

- Browse inclusive courses by keyword/provider.

- Register, apply, and track application status.

- Access MS Teams, Class Notebooks, submit feedback.

KhNUE Simon Kuznets

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VIC Virtual Inclusive Campus

Back to Course List

BUSINESS ENGINEERING

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OKSANA TRUBEI
PhD in Economics, Associate Professor

BUSINESS ENGINEERING

STATE UNIVERSITY OF TRADE AND ECONOMICS

University Provider: State University of Trade and Economics

Course available from: Jan. 1, 2025

Enrollment in the course: twice a year (January, August)

Authors: Oksana TRUBEI PhD in Economics, Associate Professor

Course Credits: 6.0 ECTS Credits

Recommended For: for everyone interested in modern methods and tools for systematizing business to enhance its manageability and economic efficiency.

Course Prerequisites: knowledge of economic terminology, fundamentals of entrepreneurship, business economics, management, marketing, and business planning.
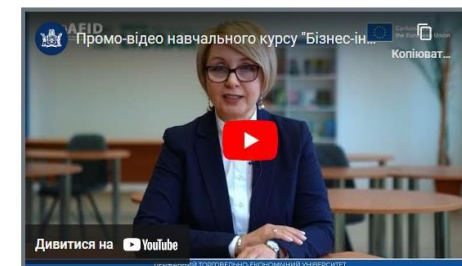
Course overview

The business engineering course covers:
• general principles of the engineering approach to creating and managing businesses;
• peculiarities of developing (generating) a business idea;
• algorithms and technologies for creating an effective business model for the enterprise;
• formation of a system of business processes within the chosen business model and methods of their optimization.
The course provides specialized knowledge about the concept, opportunities, and tools of engineering.

Learning Outcomes

Inclusion Support

📄 Syllabus

Промо-відео навчального курсу "Бізнес-ін...

Register for Course

Course Management for Teachers

- Manage course details and student applications.

- Update course info.

- Customize communication templates.

Administration Roles

- Partner University Admins: Create/edit courses, manage applications, user accounts, student certificates with permanent URLs.

- Main Admin: Full platform control over data, users, and courses.

Security & Data Management

- GDPR-compliant data handling and secure login.

- Encrypted communication and automatic backups.

- System monitoring, logging, and disaster recovery.

Integration & Sustainability

- LMS, academic record, and certificate integration.
- 3rd-party tool support: MS Forms, Whiteboard, OneNote.
- Built for long-term sustainable use in Ukrainian HEIs.

Summary & Impact

- VIC: A digital model of inclusivity in higher education.
- Promotes academic freedom, equity, and collaboration.
- Modern IT infrastructure for inclusive digital learning.