

Van-e közös útja az IT szakképzésnek és felsőoktatásnak?

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Kiss Gábor, kancellár, Miskolci Szakképzési Centrum

Vizlendvai László, főigazgató, Zalaegerszegi Szakképzési Centrum Sisák Zoltán, HTTP Alapítvány



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The quest for the education of the future at Zalaegerszeg

March 19, 2022





Static
Predictable
Local



Mobility



Dynamic
Virtual
International

Stage 2

Past 1.0 Websites



In-person classes
Static web pages, PDFs
Disjointed how-to videos

Meaning is	Dictated
Technology is	Confiscated at the classroom door (digital refugees)
Teaching is	Teacher to student
Classrooms are located	In a building (brick)
Teachers are	Licensed professionals
Hardware and software supply	Are purchased at great cost and ignored
Industry views graduates as	Assembly line workers

Recent 2.0 Basic online courses



Classroom blended
"Talking Head" videos
Multiple choice
Rudimentary analytics
Out-of-the-box LMS

Meaning is	Socially constructed
Technology is	Cautiously adopted (digital immigrants)
Teaching is	Teacher to student and student to student (progressivism)
Classrooms are located	In a building or online (brick and click)
Teachers are	Licensed professionals
Hardware and software supply	Are open source and available at lower cost
Industry views graduates as	As ill-prepared assembly line workers in a knowledge economy

Today 3.0 Custom Learning Experiences



Modern UX
Competency-based
Learn by doing
Asynchronous
Coaching
Mentoring
Social

Mobile
Gamified
Life-long learning
Rich analytics
Personalized
Adaptive
Integrated

Meaning is	Socially constructed and Contextually reinvented
Technology is	Everywhere (ambient, digital universe)
Teaching is	Teacher to student, student to student, student to teacher, <u>people-technology-people</u> (co-constructivism)
Classrooms are located	Everywhere (thoroughly infused into society: cafes, bowling alleys, bars, workplaces, etc.)
Teachers are	Everybody, everywhere
Hardware and software supply	Are available at low cost and are used purposively
Industry views graduates as	As co-workers or entrepreneurs

Gen Y
1980-94
27-41

Stage 1

Gen Z
1995-2009
12-26

Gen α
2010-2024
0-11



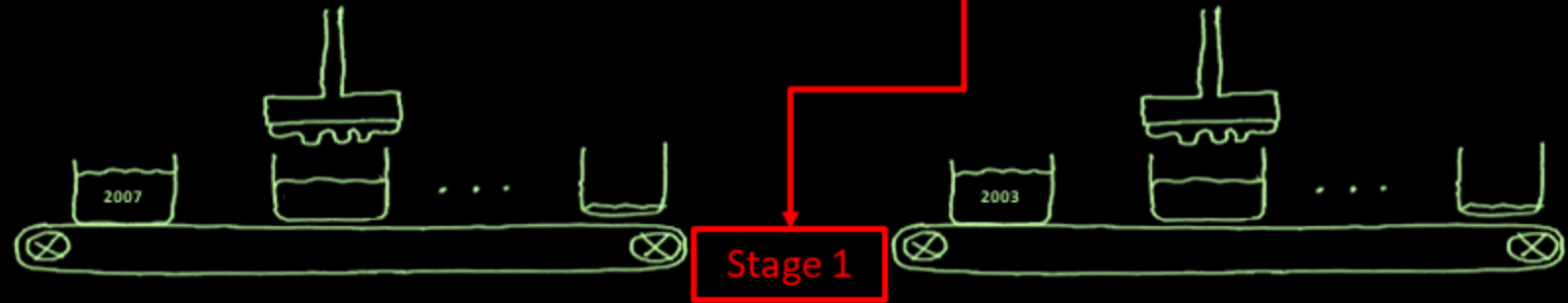
The next revolution in education is about integrating the „manufacturing process of education“ with the economic processes that it serves and what serves it into a vast intelligent system to maximize production efficiency of the dispensed knowledge.

Certified Technician Training Program

Compulsory education



Primary education



Secondary education

Higher education

Education is an industry, which nowadays through technological advances and new teaching methods can support individualized learning in the framework of its mass production. **The Certified Technician Training Program provides a bridge between the secondary education and the higher education in the production chain of the education process.**

CLOUD CAMPUS

submitted grant proposal € 21,500,000.

The project focuses on optimizing **educational activities over networked knowledge centers and their collaborating industry partners**, where the resources are distributed in space and time, by developing a secure **knowledge transfer system that takes into account the individual progress of its users**, the students. With the help of this system, we can bring trainings to our partners as they ordered it and conduct it in the most optimal way. Elements of the project: Knowledge distribution system; a **cloud-based collaboration environment** available from anywhere in the world, complemented by **virtual laboratories** if it is required by the subject area. A **"learning path" optimized for the individual abilities of a student**; We integrate existing knowledge into a cloud-based distribution system, however not in a static and linear way, but in the form of "mind maps". From these mind map clouds a "learning path" is defined for each student, which is optimized for their individual abilities supporting their rapid progress. To continuously validate the curriculum, we perform eye-camera measurements, and use artificial intelligence and eyetracking to track online knowledge consumption and to continuously optimize the "learning path" of the individual student through the knowledge cloud. We also analyze the data generated during the educational process and provide a deep learning-based service to our partners to shape on an optimal way their human resources.

Stage 2

The Higher Education Industry by tradition exists as a network of prestigious institutions for the creation and distribution of advanced knowledge. The industry's basic products are the various academic degree programs they offer.

The birth of new technologies spawned a movement which is set to disrupt the entire industry and it's looking to make all traditional business models defunct. This is because, in short, the new technologies will facilitate the decentralization of the creation and distribution of knowledge.

WELLNESS HOTEL FOR EDUCATION

submitted grant proposal € 28,040,000.

14-hectare green campus

Everything under one roof, the green campus is a **dynamic hub where people can meet, work, create, eat, drink, and have fun.**

All-inclusive student accommodations give great value and an inspiring experience to our students and guests.

The **co-working spaces and laboratories** are hubs where our students, colleagues, business partners and freelancers can change the world.

The **flexible, fully-equipped meeting & event rooms are always connected to the world**, and they are ideal for learning, productive meetings and awesome events.

The **restaurant and bar** are perfect for sharing moments in an unfussy, lively setting.

Okleveles technikusképzés – BMSzC/GySzC-BME VIK



**BMSzC Puskás Tivadar
Távközlési és Informatikai
Technikum**

**Budapesti Műszaki
Szakképzési Centrum**



**BMSzC Trefort Ágoston
Két Tanítási Nyelvű
Technikum**



BME

**Győri
Szakképzési Centrum**



**Győri SzC
Pattantyús-Ábrahám Géza
Technikum**

Okleveles technikusképzés – BMSzC/GySzC-BME VIK

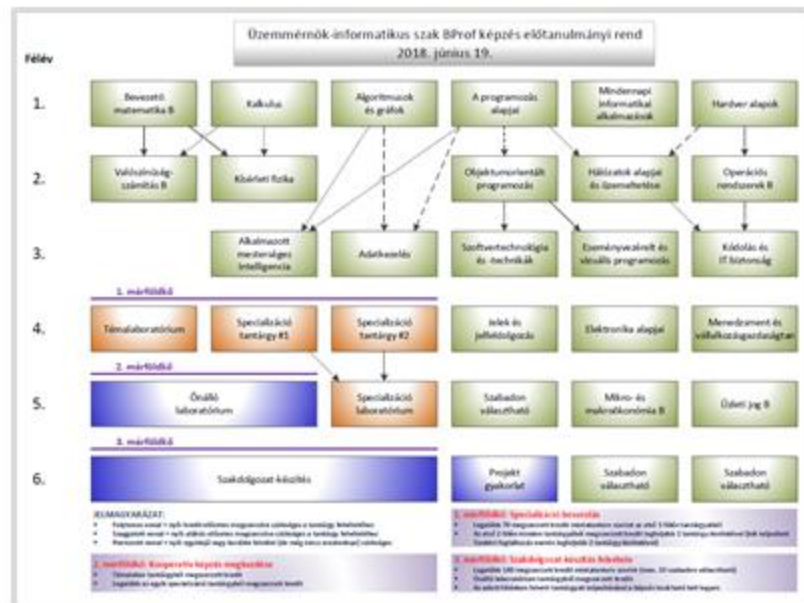
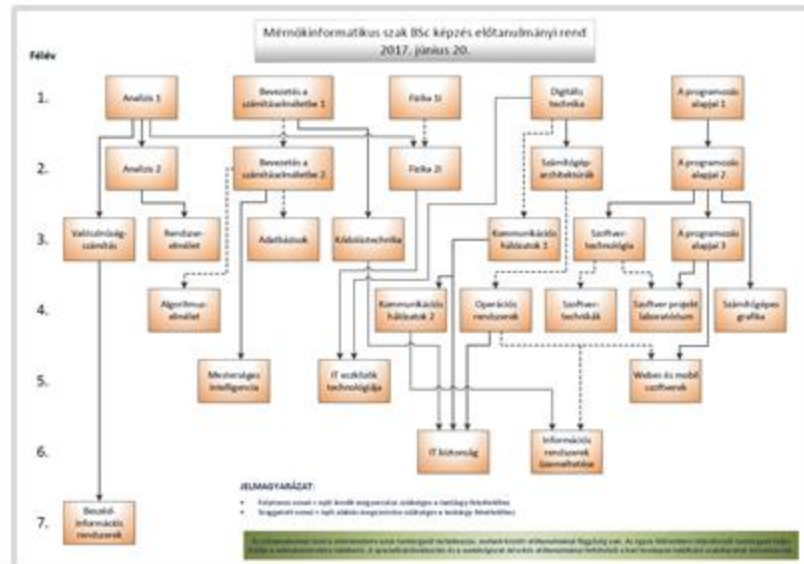


Célok

- Legalább 30 kredit (= 1 félév) befogadása
- Műszaki felsőoktatás erősítése
- Jelentkezési motiváció növelése
- Sikeres teljesítés (lemorzsolódás csökkentése)
- Szorosabb együttműködés a SzC-okkal (közös projekt, részképzés, képzők képzése)

Megoldandó feladatok

- Konkrét tantárgyak kiváltása (= kredit)
- Előrehaladás biztosítása
 - Mintatantervi meghirdetés + órarend
 - Előtanulmányi rend
 - 36 kredit / 2 aktív félév
- Szakmai többletismeret kreditté konvertálása (projekt, tantárgy, labor, szabadon választható tantárgy, szakmai gyakorlat)



Kiss Gábor

kancellár, Miskolci Szakképzési Centrum





A Miskolci Egyetem és a Miskolci Szakképzési Centrum közötti együttműködési megállapodás célja, hogy vonzó karriert kínáljanak a továbbtanulás előtt álló fiataloknak, összehangolva a középfokú és felsőfokú képzés tartalmát.



OKLEVELES TECHIKUSKÉPZÉS 2021/2022. TANÉVBEN INDUL:



GAZDÁLKODÁS ÉS MENEDZSMENT

Miskolci SZC
Berzeviczy Gergely
Technikum



TURIZMUS- VENDÉGLÁTÁS

Miskolci SZC
Berzeviczy Gergely
Technikum



INFORMATIKA ÉS TÁVKÖZLÉS

Miskolci SZC
Kandó Kálmán
Informatikai
Technikum

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