The Grid of Multidisciplinary, Interdisciplinary and Transdisciplinary Education

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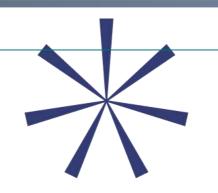




Dr. Shaked - Bio



- ✓ Ph.D. in Computational Linguistics in NLP from CUNY New York
- ✓ Head of MDS -Multidisciplinary Studies & CS Faculty member
- ✓ R&D in speech processing in Bell Labs, IBM & more
- ✓ Vast Industry experience: Speech platforms, VUI Dialog design, Call Center technologies and Multimodality
- ✓ Consulting for startups and enterprises
- ✓ My favorite: Avatars & Bots









Multimodality









Ethics & Al



Conversational Interaction

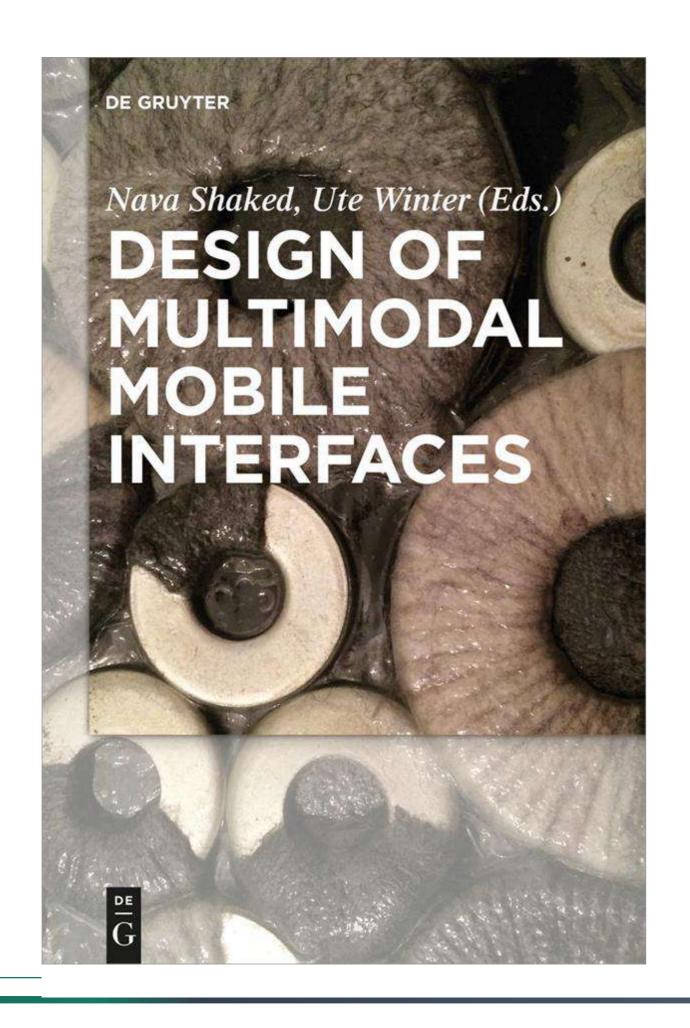
BOTS & AVATARS

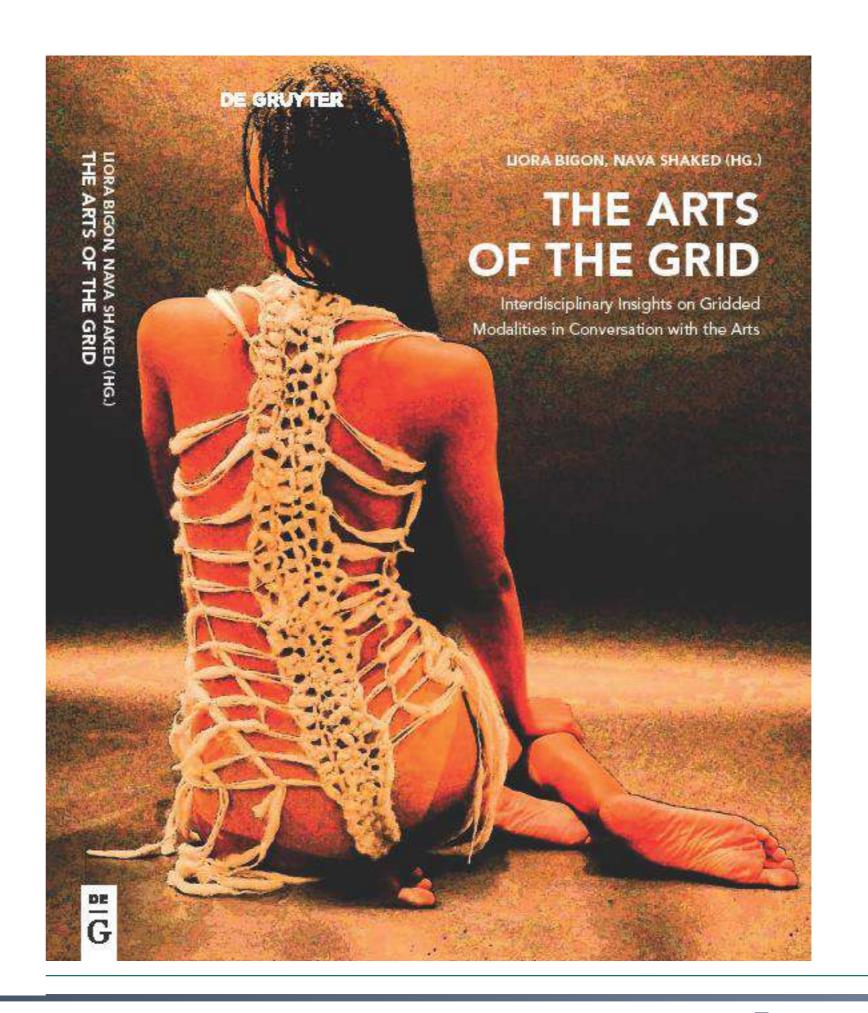
Speech processing



2016

2021











What is the key for academic education in 2024



What does industry wants in the area of Digital Computing and AI?

- Agility
- Self learning
- •Soft skills
- Adaptivity
- Leadership & Teamwork
- Contribution













The Power of the Grid (definition)

The challenge of Multi-Inter-Trans-Disciplinary education

Variations on the Theme



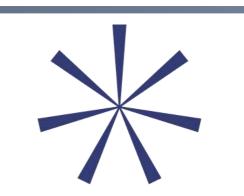




Comfort











Welcome to the School of Multidisciplinary Studies

2015 - cluster of courses

Jun 2018 - Department

Sep 2021 - School













Over 4000 students a year

Lecturers

60 courses offered

class

Average student students in feedback 5.3 (out of 6)

90% of the lecturers are DR. or Prof. level

Multidisciplinary – a choice, diversity, new knowledge

Interdisciplinary - skills, tools, combined knowledge

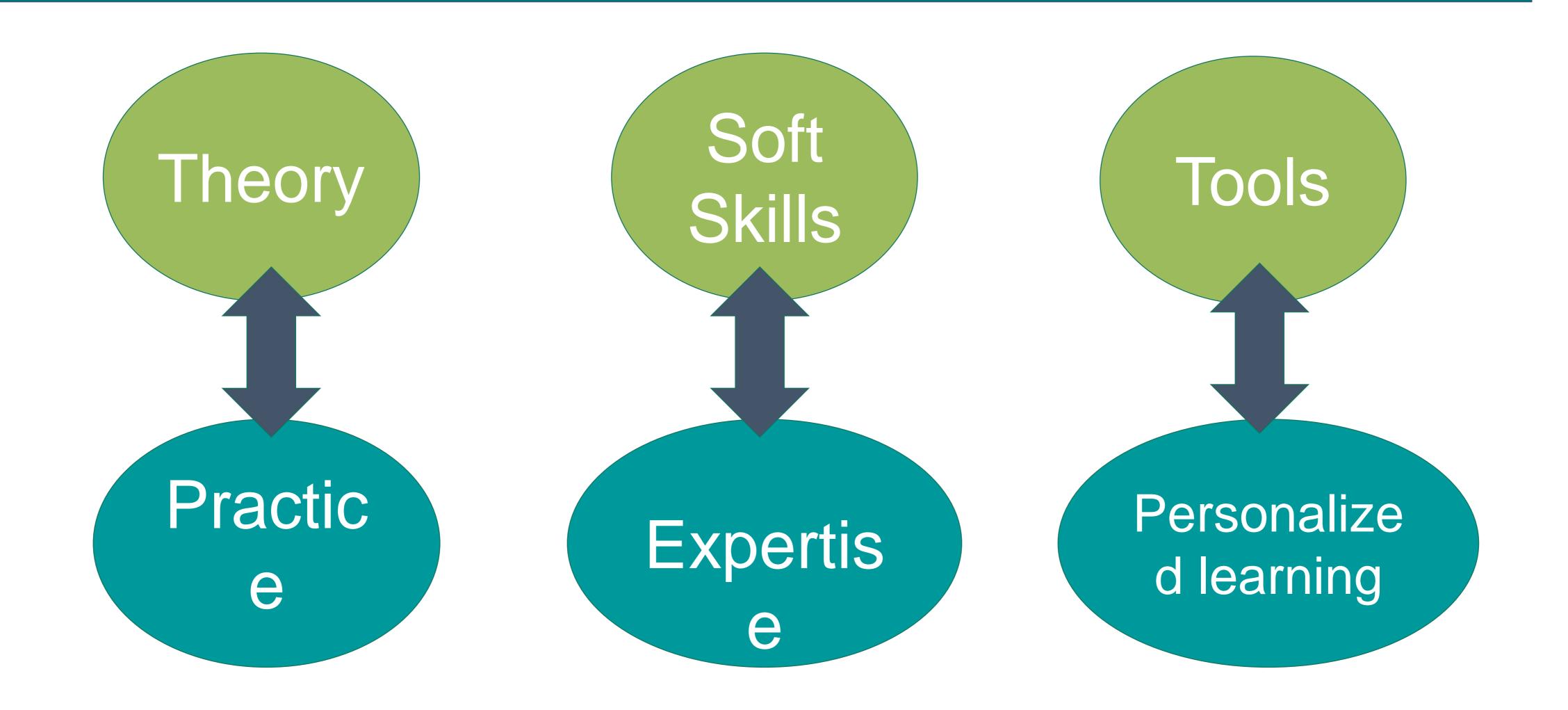
Transdisciplinary – dialog, practice, creativity







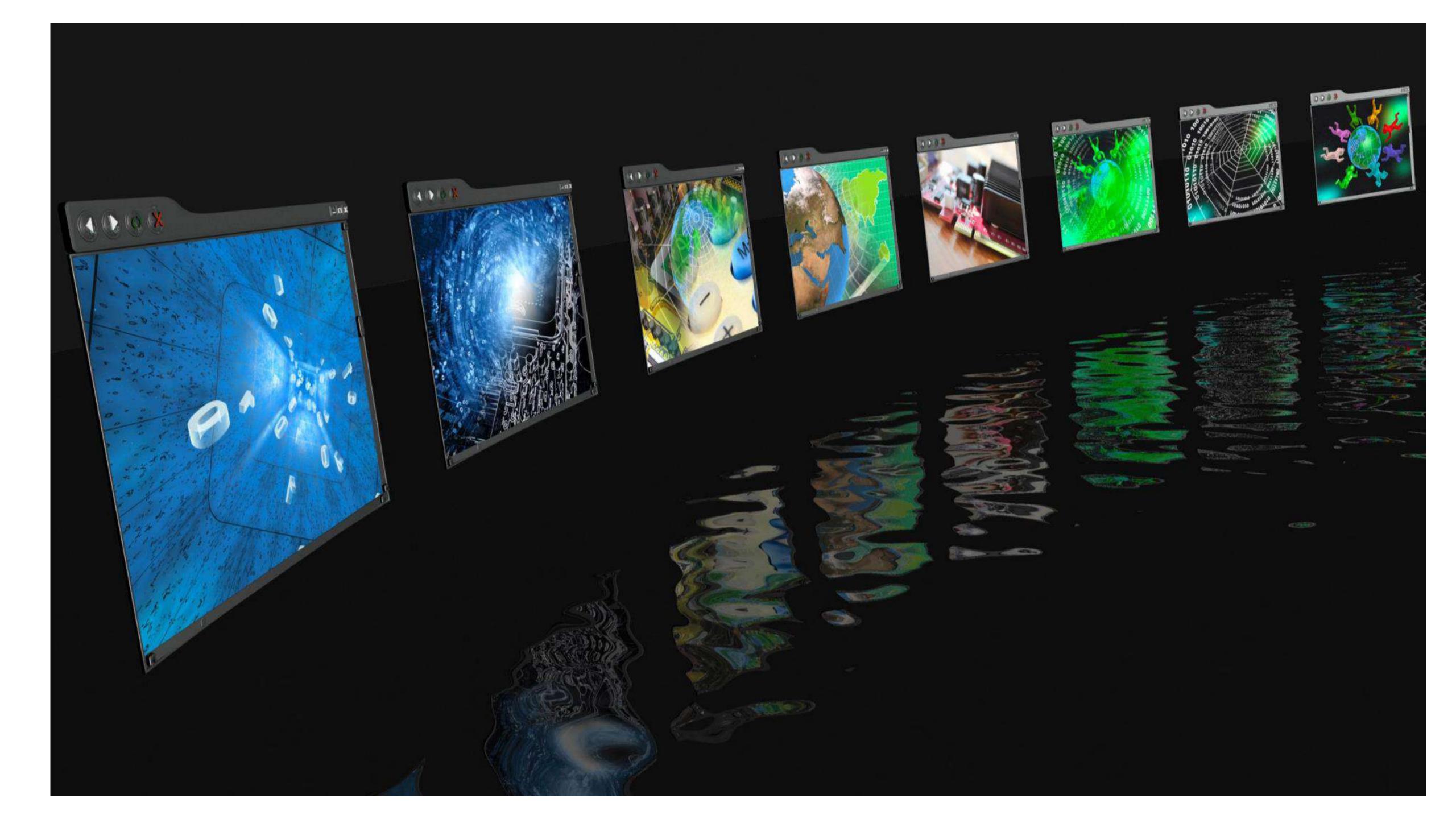
The MSD Paradigm



Step 1 - Meeting Point

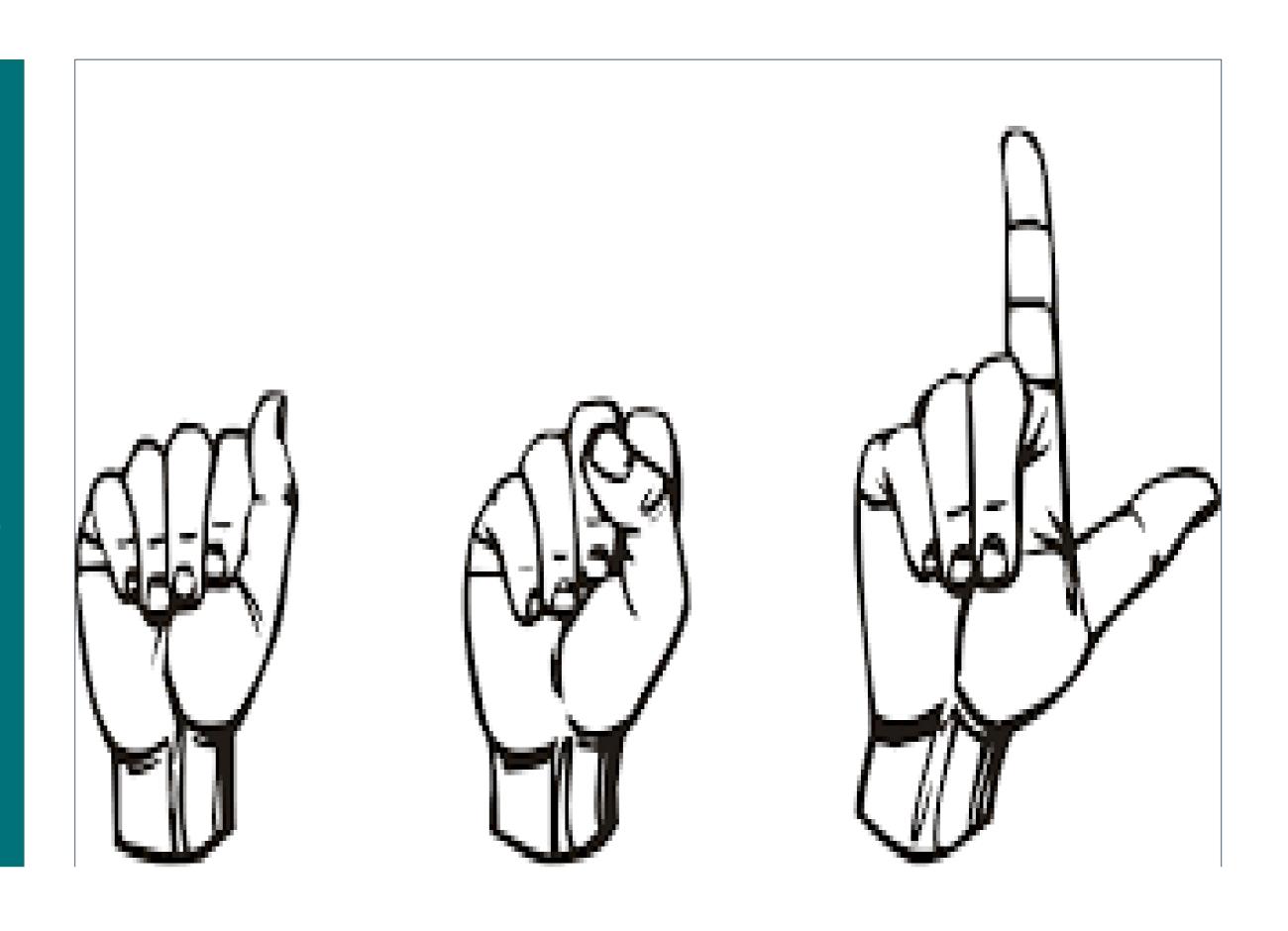
Students Lecturers





Step 2- Developing MD Language

- ✓ Various points of view
- ✓ Professional Aspects
- Meeting point



What is the advantage of teaching together?

Step 3- new, combined and creative knowledge



Biomimicry

Decision making

Wearable computing

Bio-Ethics Freedom Fighters

Well being in a digital world

Innovation & new media

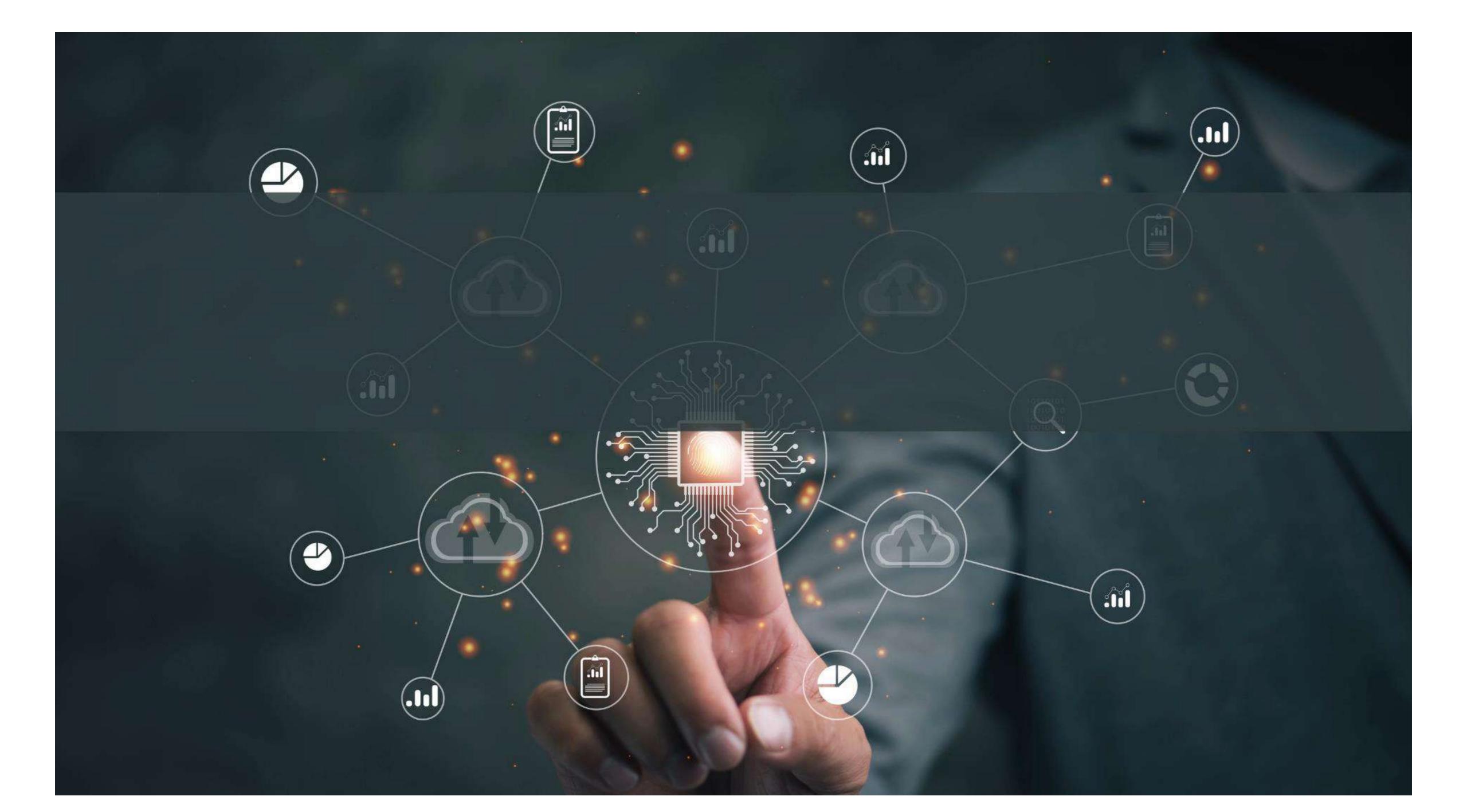
How to evaluate a startup

Cyber

Making Sense of complexity

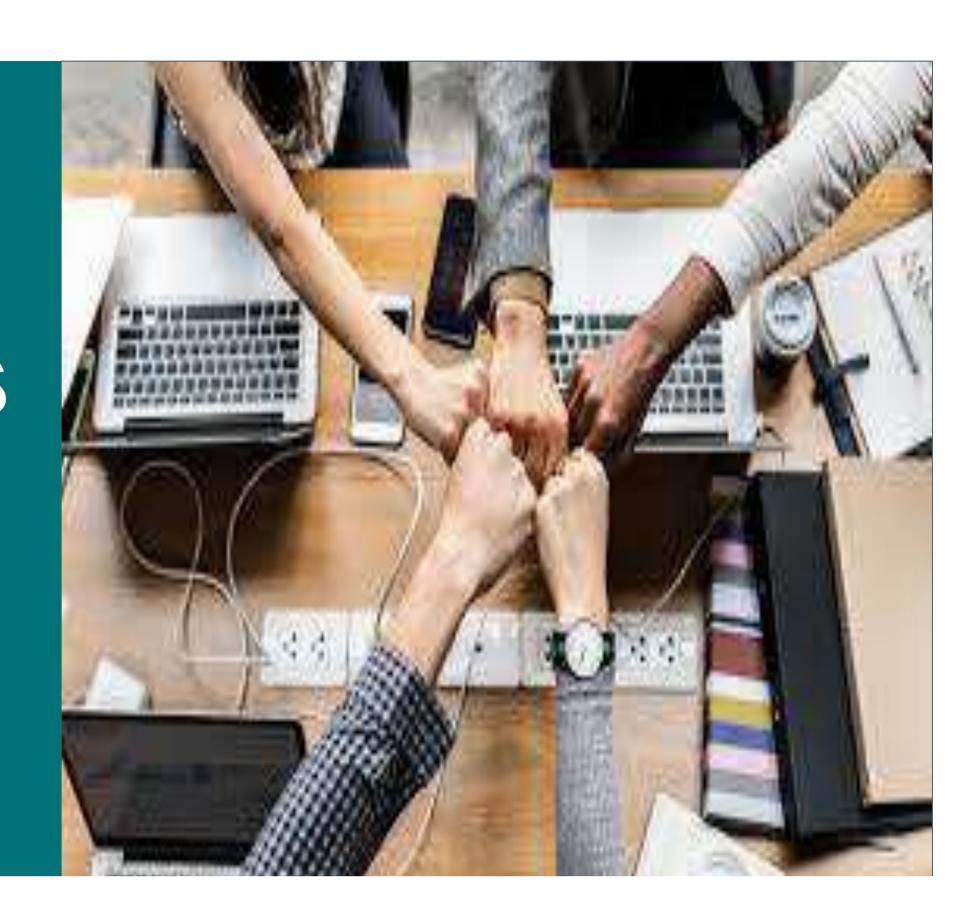
Political Campaigning

Technology and Marker forces



Step 4: Teamwork

- ✓ PBL
- ✓ Multidisciplinary teams
- ✓ Critical thinking & debate
- ✓ Industry challenges





Step 5: International Activities

Set of online courses in English





Publications of articles, scientific work and academic reports





Step 6: Facing the Challenges

- ✓ Creating a multidisciplinary Language
- ✓ Enabling creative & design thinking
- ✓ Project practice & teamwork
- ✓ Lecturing in tandem
- ✓ Hybrid & digital unites
- ✓ Quality Assessment
- ✓ Cooperation inside & outside





Social Teaching Industry Academic Science & quality orientation cooperation Humanities program (C)(C) Technology, **English Courses** Research International Innovation & projects Entrepreneurship

Why it grows better in the forest?





Its never competition, Its always collaboration

ευχαριστώ πολύ!



