

Panel Discussion #4: Tech Talents

NURTURING TECH TALENTS IN HIGHER EDUCATION: OPPORTUNITIES AND CHALLENGES

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University of Science, Overview

A leading education and research institution in Vietnam, member of VNU-HCMC



10,500+ students



2,300+ degrees awarded annually



70+ degree programs (16 undergraduate, 60 graduate)

Associate, Bachelor's, Master's, Doctorate Degrees

ICT Education:

A top faculty of IT in the nation with



5,000+ students overall



100+ master's and doctorate students



1,200+ degrees awarded annually



70+ faculty members, **32** Ph.D.s



Achievements in IT Education and Research



One of the most selective programs in the nation. High national univ. entrance exam score: **23 to 26/30**

The program for top students



1,200+ degrees awarded annually

95%+ of graduates obtain a job in 6 months

40%+ of graduates obtain a job **before graduation**

Pioneer in quality improvement, e.g., CDIO, AUN-QA

Alumni play key roles in the ICT sector in Vietnam



Many students ranked high in
International ACM/ICPC
Programming Contests, Olympics

Abroad internships



Opportunities

Demand for ICT education is very high today in Vietnam and the world



Great interest and attention paid to new tech trends such as AI, machine learning, blockchain, BigData, etc.



High and growing demand for tech talents

Highly capable admits to ICT programs. Admission scores higher than many other programs



Talented and well-trained faculty members. 32 PhDs and most graduated abroad.



Challenges



Lack of funding for equipment, human resources, scholarship, research

- Very few students receive full scholarship
- Scarce research funding
- Research funding from industry: **almost zero**



Lack of well-trained lecturers and educators



The world is changing rapidly, driven by technologies, requiring changes in programs, training methodologies, and models



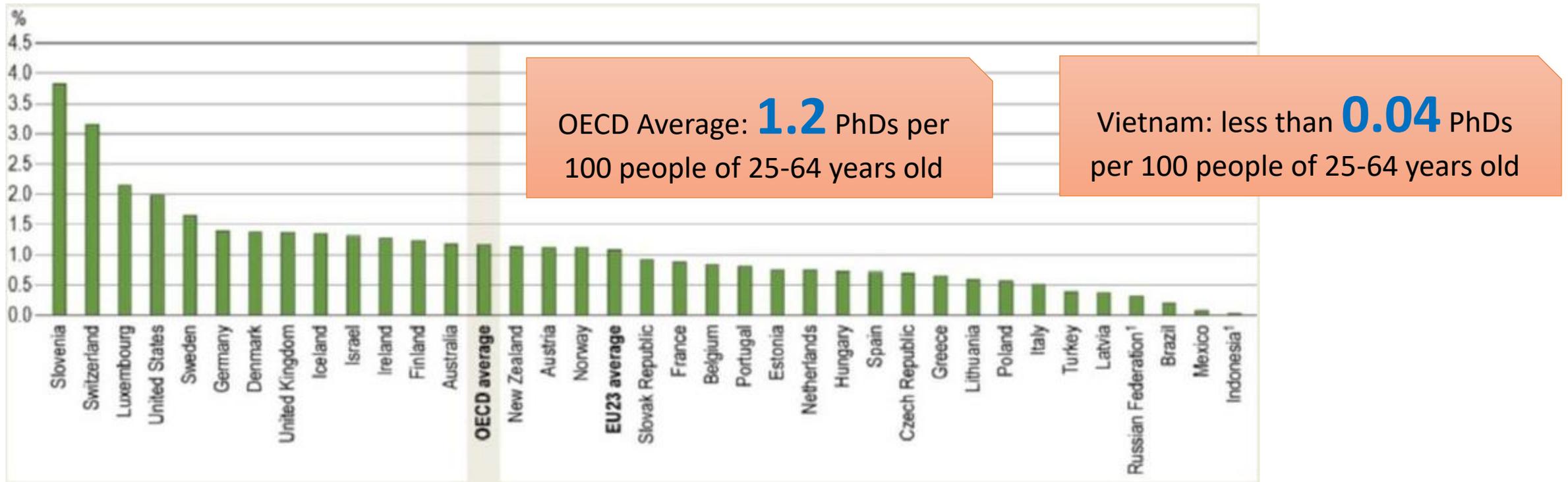
Lack of basic research in universities



Challenges

Lack of basic research in universities

Vietnam lacks of researchers and students well-trained to generate knowledge and techs



Share of 25-64 year-olds with a doctorate (*Education at a Glance 2019, OECD*)

Thank You!

