IT-educations at KEA Digital

Copenhagen School of Technology & Design

NIFR@kea.dk 2024

Bachelors degree

kea
COPENHAGEN SCHOOL OF DESIGN
AND TECHNOLOGY

Academy Profession: Computer Science

Program Area: Digital
Copenhagen School of Design & Technology KEA

- AP: 150 ECTS
  - Computer science
  - IT-Technology
  - Multi media design
- Top Up (Bachelors): 90 ECTS
  - Web Development
  - Software Development
  - IT-security
  - Digital concept development
- Bachelors: 210 ECTS
  - IT-architecture
  - Business economics and information technology

- Internship
- ECTS
- Specialisation by electives
- Exchange program: Erasmus

Software engineering/IT as main area
Full-time students

- Program area: Digital - 1924

- AP. Computer Science - 443

- IT-technology - 155

- BSc (Top-up): Software Development / Web development / IT security - 228

- BSc: IT-architecture: 47

- 873 full time students within the field of software engineering

Topics
Steve jobs academy

- IT in the classroom

- Didactic approach

- Relationshop with the industry

Learning Management
Fronter

IT in the classroom

More than a projector…

- IntelliJ, Java, Kali, MySQL, git, nMap

- Github, Microsoft Azure, Kaggle

  - Data Processing Agreement

- Microsoft Teams: Exams & classes

  - Post-Covid: No hybrid classroom

- Case: Microsoft Azure

ChatGPT?

Didactic approach
Formalities

- National study plan for AP degrees and bachelors:

  - Ministry of education & research

- Local study plan: Exams, mandatories, form requirements

- Local contract of implementation

Udviklingsbaseret viden om specifikation af abstrakte datatyper samt kriterier for programkvalitet	Delvis		Forstå formål med abstrakte datatyper. Kende de abstrakte datatyper: List, Set, Map i Java's Collections framework Vurdering af programkvalitet i henholdt til GRASP

Didactic approach
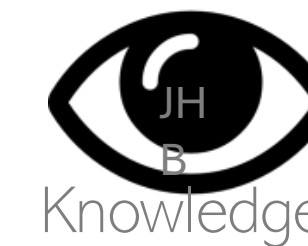## Keywords in the classrooms

- Lecture + exercises & assignments

- Presentations

- Constructive alignment

- Cases from the industry

- Problem-based & Project based

- Flipped Classroom

Relationship with the industry
Approach

- Internships & meetings

- Research

- Cases

Focus on Hacking

Of all the thre... ...are flaws, Internal fraud, and ... dene...

Bachelor in IT-Security at Kea

- Since 2017
- Still working on dfundamental tracks (Data science / IT technology)
- Networking
  - Companies and Organizations
  - Other educations in Denmark
  - EU network (Holland, Belgium, France, UK and Denmark)
- Law and standards
  - ISO27001
  - GDPR
  - NIS2
  - DORA (upcoming)

Why ha...

- **Econo...**
- **Politi...**
- **Spiona...**
- **Act of ...**

Questions & Reflections

The **5 Eyes**, **9 Eyes**, and **14 Eyes** Alliances

5 Eyes Countries:
- USA
- UK
- Canada
- Australia
- New Zealand

9 Eyes Countries:
5 Eyes Countries
+ Denmark
- France
- Holland
- Norway

14 Eyes Countries:
9 Eyes Countries
+
- Germany
- Belgium
- Italy
- Sweden
- Spain

Possible Third-Party Contributors: Israel, Japan, Singapore, South Korea

JHB James Hindsgavl Brink – Lektor i IT-Sikkerhed – James.Brink@gmx.com