



HITSA

Information Technology
Foundation for Education



ProgeTiger

The development of ProgeTiger programme

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HISTORICAL BACKGROUND

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In 1998,
the vast majority of
schools had internet
access.



In 2000,
the Estonian Parliament declared basic
internet access as a human right.

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e-Estonia, the Estonian Government's integrated e-services (ID cards in 2002).

In 2005, Estonia became the first country to use e-voting.

e-Tax, e-Business, e-Banking, e-Health record, e-School etc.



In 2005, the sale of Skype to eBay.



Source: www.bloomberg.com

In 2014,
the sale of CrabCad to
3D Printer Company Stratasys

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GrabCAD helps mechanical engineers build
great products faster

Big news - GrabCAD is joining the Stratasys team! [Read more](#)

GrabCAD Workbench

The fast, easy way to manage and share
CAD files without PDM cost and hassle.

Workbench allows teams on any CAD system to work
smoothly together by syncing local CAD files to cloud
projects, tracking versions and locking files to prevent



Source: www.grabcad.com

...and growing rate of tech start-ups



About Startup Incubator Business services Business accommodation Tehnopol companies News Calendar

Tallinn Science Park Tehnopol is a business environment with more than 150 technology based companies.



NEWS

EVENTS

24.09.2014

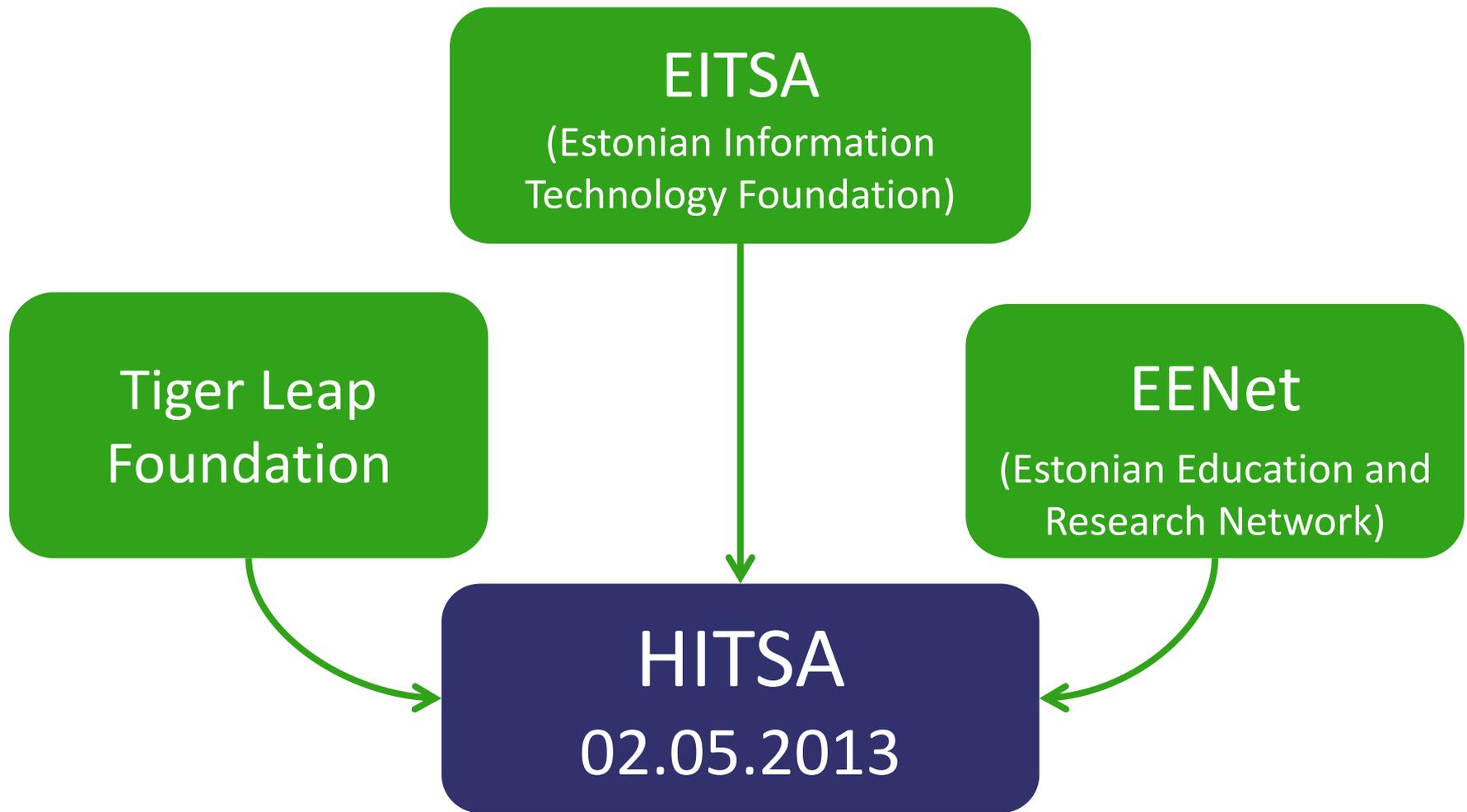
ITL's Ustus Agur Scholarship

09.09.2014

Several Companies Joined with Science Park Tehnopol

09.09.2014

Smart Street Light Solution CITYNTEL concluded a cooperation agreement with Asian metropolises



ProgeTiger programme predecessors

Tiger Leap Foundation launched several programmes in primary schools in 2007-2013:

- ▶ TechnoTiger;
- ▶ AnimaTiger;
- ▶ TigerMathematics;
- ▶ TikiTiger;
- ▶ TigerRobot;
- ▶ etc.

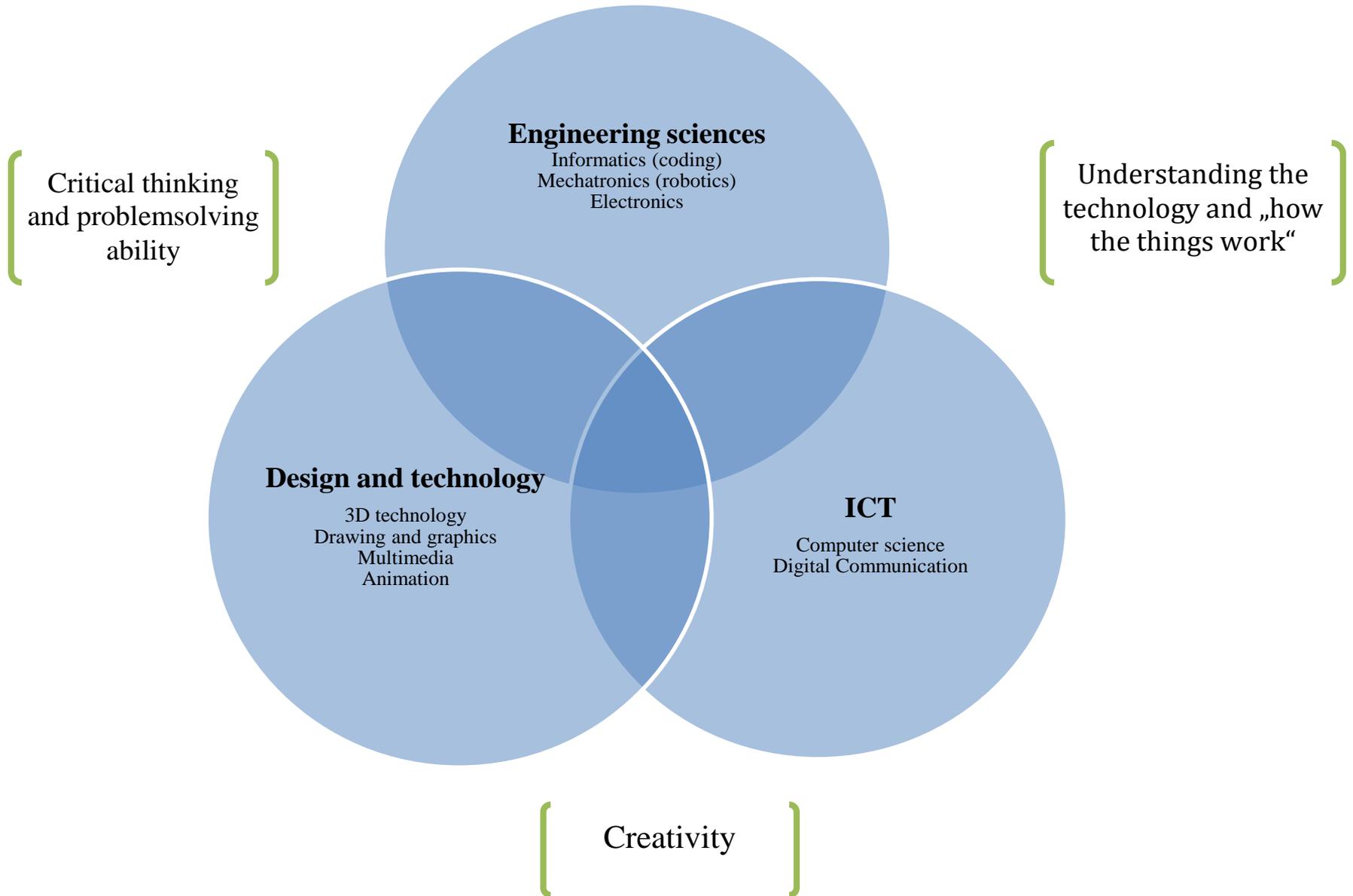
Programming + Tiger = ProgeTiger

- ▶ ProgeTiger programme was launched in 2012.
- ▶ The objective was to teach coding at primary school level.
- ▶ Pilot projects were launched in several schools and the training of teachers started.

HITSA took over the ProgeTiger programme after the merger and turned it into a broader technology education programme

ProgeTiger programme focus 2015-2020

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TODAY

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The programme is directed to preschool, primary and vocational education.

The main objective is to encourage students to learn engineering, information technology and natural sciences in the concept of giving meaning to ICT use, making these studies popular and influencing career choices.

We don't want to produce programmers-graduates, we want to produce graduates who like technology and understand how the things work!

We want to stop de-skilling!

What we do?

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- ▶ Supporting the integration of technology into the different subjects – offering teachers educational materials and training opportunities.
- ▶ Developing methodology and methods of how to integrate the technology into the lessons.
- ▶ Co-financing kindergartens and schools in acquiring different programmable devices (i.e. KITs, robots etc.).
- ▶ Organising student contest and competitions.
- ▶ Information services, promotions, conferences and seminars for target groups – teachers and heads of schools.

Millest
alustada?

ALGKLASSIDES
ALUSTAMISEKS

MÄNGUDE
PROGRAMMEERIMINE

VEEBIARENDUS

KOOLIROBOOTIKA

Esimesed sammud
programmeerimises

Kodu Game Lab

Proge MSW Logo

Scratch

Python

Veebilehtede
loomine ja disain

HTML / CSS

JavaScript

Kliendipoolsed
veebirakendused

Serveripoolsed
veebirakendused

LEGO WeDo

NXT-G

NXC - 8. klassile

NXC - 9. klassile

Video

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Technology Education in Estonia



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Thank you!

<http://www.progetiiger.ee>

<http://www.hitsa.ee>