

The e-services, articles and contact details in the portal are linked to make it easy for people to find information related to certain topics.

- ⇒ create documents
- ⇒ sign them digitally
- ⇒ send them to others for signing
- ⇒ send e-mails

ID cards is the most secure form of identification.



«Jugend 4.0 – Europa leben!

Jugendliche Lebenswelten im Kontext von
Migration, Integration und Mobilität»

5.03.-09.03.2018

Narva Vanalinna Riigikool, Narva, Estland

Estonian state portal

<https://www.eesti.ee>

The Estonian State Portal www.eesti.ee is a secure Internet environment through which Estonian residents can easily access the state's e-services and information. It contains articles on how to resolve important or frequently occurring issues and advice on what to do in certain situations

EESTI.EE

The advantages the portal offers are:

- Hundreds of e-services under one 'umbrella'.
- Detailed information. about public services, contact points.
- A secure environment.

The portal is useful to:

- Individuals.
- Entrepreneurs.
- Public sector agencies offering services.
- Society.

GOOD SIDES

- * Easy to use
- * Gives an overview about most of information
- * Modern way to tackle issue
- * Helps people working for our goods to provide services
- * Mobile
- * Saving natural resources
- * Intended to be used from computer and telephone both
- * Is available in three languages

BAD SIDES

- ♦ Might be hacked
- ♦ Complicated to use for old people
- ♦ Needs own internet connection (public access is not save)
- ♦ Hard to implement in big countries as system has to be unified
- ♦ Needs supplement
- ♦ Can find the same information from different portals
- ♦ Applying system (database is not saved automatically)

The Health Services Organization Act and Associated Acts Amendment Act accepted by the Parliament (in Estonian: the Riigikogu) on December 20th of 2007 provides that as of September 1st of 2008 the health care service providers are obligated to forward medical data to the Estonian National Health Information System (ENHIS).



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IES Pablo Gargallo Zaragoza, Spain

**Hermann Billung Gymnasium,
Germany**

**Greijdanus College Zwolle, The
Netherlands**



<http://www.e-tervis.ee/>
<https://www.digilugu.ee/>

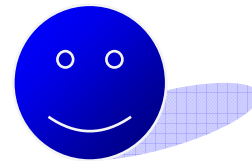
The Patient Portal allows you to view your medical data, submit statements of intention, appoint representative for yourself, and act on behalf of the persons who have appointed you as their representative.

E-HEALTH

The health information system is a database that is a part of the state information system. The health care related data is processed in this database in order to conclude and execute the health care services provision contract, ensure patients' rights, protect public health and quality of health care services, to maintain the registers of health conditions as well as to manage health care.

GOOD SIDES

- *Easy to use*
- *Save (secured by law)*
- *No paper documents (can't lose them)*
- *Better and more up-to-date statistics*
- *All information in one place*
=> faster help
- *quick help in case of an accident*
- *Patient gets best possible treatment*
- *Plan doctor visits via the internet*
- *No prescription*
- *Save money and time*



BAD SIDES

- *Vulnerable to Cyber attacks*
- *Difficult for not internet users*
- *Dependence on Internet Electricity*
=> Not for everyone
- *Self-care with internet*
- *all information can be lost*
- *Available only in Estonia*

- Students can read their own grades and keep track of what homework has been assigned each day. They also have an option to save their best work in their own personal e-portfolios.

- District administrators have access to the latest statistical reports on demand, making it easy to consolidate data across the district's schools.



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**[https://www.ekool.eu/
index_ru.html](https://www.ekool.eu/index_ru.html)**

**E-SCHOOL HAS MORE
THAN 200,000
ACTIVE USERS**

The two most widely used web applications for schools in Estonia are called e-School and Studium. These innovative tools provide an easy way for parents, teachers and children to collaborate and organize all the information necessary for teaching and learning.

E-SCHOOL

The system provides an array of functions for its various users:

- Teachers enter grades and attendance information in the system, post homework, and evaluate student behaviour. They also use it to send messages to parents, students or entire classes.
- Parents use it to stay closely involved in their children's education. With the help of round-the-clock access via the internet, they can see their children's homework assignments, grades, attendance information and teacher's notes, as well as communicate directly with teachers via the system.

GOOD SIDES

- Easy to use
- You can see all your marks, homework and information
- It is possible to chat with teachers
- Mobile version
- It is used by students, teachers and parents
- Multiple ways to enter

BAD SIDES

- You need Wi-Fi connection
- In mobile application you have to pay
- Parents can watch your marks
- Previous school's data is unavailable for students

With any method of remote voting, including traditional postal ballots, the possibility of votes being forced or bought is a concern. Estonia's solution was to allow voters to log on and vote as many times as they want during the pre-voting period. Since each vote cancels the last, a voter always has the option of changing his or her vote later

HOW?

- A voter presents an ID document to be identified.
- The voter then receives the ballot and two envelopes.
- The voter fills in ballot paper and puts it into the envelope, which has no information about the voter.
- Then he encloses the envelope into an outer envelope on which the voter's information is written.
- The envelope is delivered to the voter's polling station of residence. After the eligibility of the voter is determined, the outer envelope is opened and the inner (anonymous) envelope is put into the ballot box.



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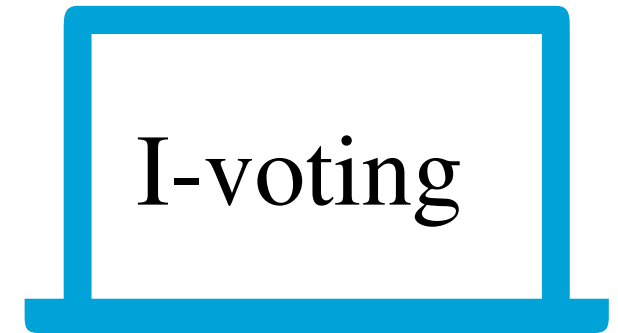
Narva, Estland

Jesse Nijboer, Tim van Etten, Yo-lin Steenbergen, Naomie Post, Jolien ten Kloosteraus Greijdanus, Zwolle, Niederlande

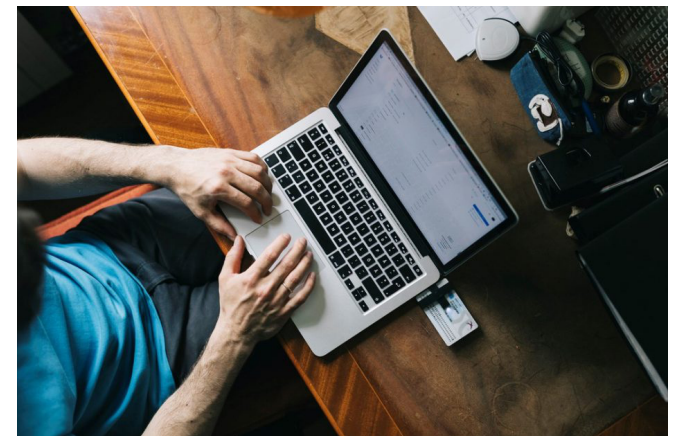
Maksim Agafontsev und Diana Stepanowa aus Narva Vanalinna Riigikool, Narva, Estland

Hermann-Billing-Gymnasium, Celle, Deutschland

IES Pablo Gargallo, Zaragoza, Spanien



Internet voting, or I-Voting, is a system that allows voters to cast their ballots from any internet-connected computer anywhere in the world.



How to identify yourself?

- ID card with PIN codes. If PIN codes are lost, new ones may be requested from the service points of the Police and Border Guard Board or respective bank offices (more information here). Certificates can be renewed by the voter at www.id.ee).
- Computer with Internet connection
- Smart card reader and ID card software (may be installed from installer.id.ee).

Electronic voting takes place during advance polls (the tenth to fourth day before Election Day) and government-issued ID-cards are used for voter identification.



- ✓ It is possible to change the vote
- ✓ It is easy to use
- ✓ Young people will probably vote, because it is a trend and something cool
- ✓ You don't have queues for voting
- ✓ You can vote everywhere
- ✓ It is quickly
- ✓ You can vote at home
- ✓ I-voting saves the paper
- ✓ More people will vote
- ✓ Opportunity to vote manually
- ✓ Easy to count votes
- ✓ It is anonymous
- ✓ Contain your vote
- ✓ System counting
- ✓ It takes less time than typical voting
- ✓ Environment



- ✓ You always change your vote
- ✓ You should have internet
- ✓ It doesn't seem anonymous, because you sign your vote
- ✓ Poor vote participation
- ✓ You should have an ID
- ✓ Amount of hackers can be bigger and they could hack the system
- ✓ You can have problems with Wi-Fi
- ✓ Elders do not usually use it
- ✓ You can click on the wrong button and you vote will be for the wrong person
- ✓ Slow to find right person to vote for
- ✓ People do not trust Internet



5 days per year are saved with digital signatures.

Thanks to the ID-card, Estonia has one of the world's most advanced digital signature systems.

67% use their ID-card regularly.

Functionally, the ID card provides digital access to all of Estonia's secure e-services, releasing a person from tedious red tape and making daily tasks faster and more comfortable whether we are talking about banking or business operations, signing documents or



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Greijdanus College Zwolle The Netherlands



<https://www.id.ee>

Estonia has by far the most highly-developed national ID card system in the world.

Much more than a legal photo ID, the mandatory national card also provides digital access to all of Estonia's secure e-services.

ID-CARD

Here are some examples of how the ID-card is regularly used in Estonia:

- legal travel ID for Estonian citizens travelling within the EU
- national health insurance card
- proof of identification when logging into bank accounts
- for digital signatures
- for i-Voting
- to check medical records, submit tax claims, etc.
- to use e-Prescriptions

ADVANTAGES

- less paperwork and bureaucracy
- environmental friendly
- Saves time (digital signature)
- comfortable and easy to use:
- combines many different cards and purposes (no separate cards for health insurance, passport etc.)
- can be used from home, many information easily accessible
- easy to update, no need of a new card when some information changes

DISADVANTAGES

- Needs internet connection
- Depends on electricity, no information accessible in case of electricity failure
- Travelling only in EU possible
- Works only in Estonia, other countries have non-digital system
- Questionable data privacy
- Hacking
- When you lose your ID-Card everyone can use it