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**TRAINING COURSE  
"PEDAGOGICAL  
DESIGN OF  
MULTIMEDIA  
INTERACTIVE ONLINE  
COURSES »  
(5 hours of video  
lectures)**

# Overview of foreign educational portals

## Review Coursera

### Coursera Review (Lesson 1)

Let's review the portal Coursera. Here it is in front of us. This is the most famous IOOC-provider.

Here are the courses they offer on their coursera.org portal, including, as you can see, in Russian.

Since the call originated from the Russian address, the result was that the system set up to display everything in Russian.

Let's see what courses the portal has. We call. Here is the whole system of courses that are available on this portal.

Let's choose "Mathematics and logic" for example. Let's see what courses there are. Here, the system of courses, we take some Algebra basic.

Let's open this course, we'll see how much it costs. Paid or free. There is a common opinion that all these courses are free.

Here is the registration. We will try to register. It turns out that the rate is 1847 rubles.

That is, it is a false opinion that all courses are free, although among them there are really free courses.

Now let's move on to the section where I already registered. My personal cabin, here it is VA, and some courses have already been chosen for me.

For example, a course in mathematics - Calculus One. Let's go and see what this course looks like.

Here, the course is broken down into weeks. By the way, this course is from a series of free. Let's say the third week, let's see what I need to teach in the third week.

Here she is. The third week. Go to the forum. And here are the lectures themselves. I already passed these lectures, I can continue.

And these still did not start, green. Well let's start with green, which has not yet passed.

Come on.

(sound video)

So I removed the sound, the lecture continues. Notice how things look to us ... We reduce it slightly. We reduce the scale.

Now the whole lecture, all the working field in front of me can be seen. And the lecturer is giving a lecture. I call these lectures "talking heads".

Because on the background only a board, at the best, some unpretentious presentation on the board, and a lecture by a teacher who reads this course.

Using a minimum-mini-multimedia multimedia technologies. And the most important, no interactive educational.

Now if you look at this player, there is only a lecture duration of 2 minutes 24 seconds. Volume add / subtract, let's add a voice.

(sound video)

And you can only ask to increase the image quality and speed of video playback. And that's all.

No other interactive features, as we have implemented on the TeachPro-3d platform, are not here.

This is the training statistics, if you remember. This is a training mode with control questions. The training mode with test questions, and so on.

Now let's go back. This we saw Calculus One. Let's go back where my private office was.

Here, and now we'll see, but what does "Russian as an instrument for successful communication" look like?

The Coursera portal also has Russian courses from some of the leading Russian universities.

Let's go into this section, it seems like Tomsk University, we click, here we go. "Welcome to successfully complete the course, follow these tips."

Start now. We begin the course.

Russian as an instrument for successful communication. Let's go to a fifth lesson. "Go to the forum" we do not need.

And here are the lectures themselves. Video lecture on the topic 5.2. Types of borrowing.

Let's see what the Russian language course looks like on the Coursera portal from Tomsk State University. I turn on the sound.

(sound video)

reads Nina Agapova. Let's go forward. In accelerated mode.

(sound video)

Let's go forward. We'll do another step.

So we see the same situation - the talking head of the teacher. No use of multimedia, because to call the multimedia video of the lecturer's lecture in no way. And no didactic interactive.

Control and test questions, search engines, links to the Internet, there is no such thing here at all.

That's what the most famous online provider Coursera looks like.

On the one hand, I remind you that there are free courses, that's how these courses, but mostly courses are already paid in the area of several thousand rubles.

Now let's go back. This we saw Calculus One. Let's go back where my private office was.

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Your classmates will help you to master the material more successfully, and you, in turn, will also help them.

(Coursera is a company that engages in social entrepreneurship.) We intend to offer the best quality education to people from all over the world - to all those who need this education. We offer it to everyone regardless of their financial condition, country of origin, social and other characteristics.)

(1 / I'm a Stanford University professor.) I have four hundred students.)

(2 / In 2011 I began to teach remotely and my audience increased to one hundred thousand students)

(3 / To teach for such a large audience in the usual, traditional way, I would have to spend ... mmm ... 250 years.)

We believe that education is one of the basic human rights of every person from the seven billion inhabitants of the Earth.

In the past, far from everyone could get access to education.

In different countries of the world, people face many obstacles, for example - lack of funds for tuition fees, age and gender restrictions, insufficient mobility, and lack of previous education.

I create a platform that is available around the clock for anyone, and almost from any device.

We break down barriers and remove restrictions that still prevent people from getting an education.

Coursera spreads everywhere. And she has a wide range of interests.

We asked some of you to tell us how you use the Courser.

(sound)

I just check the email and see what the Courser sends me. The mood is the same as ... as if it was Christmas morning.

I'm not even able to read the entire list. But I scroll through the entire list. There are so many amazing courses here.

All these courses are free of charge. I will choose all courses related to topics such as neuroscience, artificial intelligence ...

I'm from Ecuador, in my country there are no such courses.

I live in the southern part of Europe, where social opportunities are limited, unemployment is high, and the level of economic inequality is very, very significant.

That's why the idea of the Coursers is so valuable to me.

It is based on the principle of equal opportunities.

If you want to decorate your resume, quickly make a career, expand your knowledge and after successfully completing the training to gain confidence in tomorrow, Coursera will certainly help you achieve your goals.

We are changing education around the world and invite you to participate in this.

### Coursera Overview (Lesson 3)

Let's look at the information on the Coursera portal on Wikipedia.

Coursera is a paid project in the field of mass online learning. Already see - paid, but before it was announced as free. project

Also, the official mobile application for iPhone and Android is distributed.

In 2014, Coursera registered 10 million users and 804 courses from 108 educational institutions.

The authors of the portal are Daphne Koller and Andrew Eun.

Languages are mostly English. Also Russian, Chinese, German and others.

What else is important to note. As of 2014, part of the courses are presented in English, there are courses in Chinese, Spanish, French, Russian, Portuguese.

More than a dozen languages. Coursera began working in 2012 with Stanford, Princeton, Michigan and Pennsylvania universities.

And then new universities were added, and in 2014 there were more than one hundred, and now a few more years have passed.

Johns Hopkins University, California Technological, Moscow Physics and Technology, Higher School of Economics, Novosibirsk State University.

In late 2013, joined with the US State Department.

Now it's important, pay attention. In January 2014, the State Department of America ordered to block access to courses from Iran, Sudan and Cuba.

There is no ban for Russia, but so far.

About 38 percent of students live in the US. The rest are outside the US. A significant part of Russia, Germany, Spain, Britain, Canada. Even Ukraine and Thailand.

This is how the business model looks: in September 2013, the project reported an income of one million dollars. In fact, now this figure has grown dramatically.

I do not yet find the data for 2016, but this is a dozen times a large sum.

Coursera runs on the nginx web server on Linux computers leased to the famous Amazon Web Service.

Monthly traffic is 500 terabytes of traffic. That is, this is a powerful portal, processing 10 billion requests every month.

For Coursera, a pseudo-free business model provided for the first stage of mass attraction of users, with further commercialization. In principle, there is nothing surprising in this.

Thus, here it is important to note this false-free business model. This popular opinion is still there.

Now it is really, completely as it was in this lesson, Coursera today is a paid project in the system of mass online learning. Like this. That's all.

## EdX Review Speech of edX

Video presentation. Anant AGARVAL: Welcome to EDX.

I'm Anant Agarwal.

I am the president of EDX.

I am also a professor of electrical engineering and computer science at MIT.

Internet training transforms the world.

Education will never be the same again.

And EDX is at the forefront of this revolution.

So, when you are working with courses on EDX on the Internet, you are part of this revolution.

Online learning is the top of democratization of learning.

When you study at EDX, you join our community.

Imagine a class with 100 thousand or more students.

This is a social revolution.

It is very funny.

I think you'll like our experience.

EDX, it's about people.

It's not about profits.

For you, EDX is the best course from the best schools and the best professors.

It's very easy to become a member of EDX.

We are very glad that you are here.

We hope that you start quickly, in three simple steps, look through and choose courses.

Let's have fun.

Registration takes only a few seconds.

And once you register, you can view the courses.

When you find something that you like, click on the entrance.

It is so simple.

Choose not philosophising craftily.

You choose courses from the best schools from around the world.

Be sure to read the preconditions.

Now you can choose your course, and you are on the right track.

Welcome to our club.

Now that you have registered for the course, you can view the courses.

The course consists of a large number of videos, feedback systems.

Interactive functions are all for self-study.

Interactive is designed to help you learn your course.

To understand the key events.

Most of the EDX receives instant feedback from your answers,

Often in the form of a green tick.

On most of the questions that you are asked, you can answer as many times as you wish,  
until you enter the correct answer.

Courses can be short.

We are sure that you will like them.

But they can also be very cheerful.

Most of the EDX courses relate to the social aspects of knowledge.

Courses can be both social and discussion forums.

Our forum has an active community.

It's not just the professor.

Students help each other.

A typical course can work for the whole semester or about 12 weeks.

After you have completed the course, you will become a part of our  
community throughout the lifecycle of training on EDX

Anant Agarwal: EDX's mission is to help you get you a quality education.

EDX will expand access to training for students around the world.

It's fun!

It is interesting!

And this is revolutionary!

Welcome to EDX!

Come to us!

## Overview of edX (lesson 1)

Let's make an overview of the second largest ISPO-provider EDX. Let's start with the system of courses that it has.

We will select here Courses, and then we will have a whole system of courses. Here I have something selected. In this set.

When we go down, there are lots of courses, just an infinite number, everything opens and opens.

I already picked up some kind of free course. Electricity and magnetism. Here he is.

Let's pass in this section "Electricity and magnetism". Please note that it is freely available - free.

Duration of training 4 weeks. We look further. You can open this course, enter, which we do.

Here is a review of the course, what course, it is in English. Naturally, in English the absolute majority of courses, although there are already in other languages, both in German and Russian.

And now we find ourselves in the section where the theoretical part is submitted in the form of ordinary textual material.

Here at the top is an icon that the material is given in the form of text, the following material is given in the form of control questions, the following material is still in some form, in the form of a book, etc.

Until we come to this icon, which says that already here on this section there is a video lecture. Here we open this video course.

And let's see what this video course looks like. Here on the left is the content of this course as a whole, but the player on the portal looks like this.

And you can get to youtube from here and watch this course in youtube, or you can listen to this material right here in the EDX player itself.

Please note that the player does not contain any interactive features. Only increase and decrease the playback speed, that's all.

No questions, no tests, no links, no search engines - none of this is in EDX as well, nor indeed in all other MOOC courses that are in the West and in Russia. Let's start this course.

(sound video)

Thus, again we have a talking head system, that is, the lecturer at the blackboard is giving a lecture, nothing more, no multimedia and no interactive.

That's how EDX works. Let's try now to see some other similar course.

Here I have it picked up here. Here, above, is also the text content of the courses, and video. Here we will choose a video.



And again we have a video version, again you can jump into youtube and watch in youtube, or you can watch in the EDX player.

And in both cases, visibility is absolutely zero. Nothing to disassemble on the screen, and even if now we try to go to youtube, you will see still indistinct text.

Which is completely unacceptable. Now the course is in youtube. Even if you zoom in on the whole screen, it's just a fragment of the screen in full screen, you can still see - nothing is visible.

Although some of the material remained behind the scenes of the video being saved.

That's how the courses are both poorly designed both for EDX and Coursera. We have already talked about this.

## Overview of edX (lesson 2)

Let's see on the EDEX portal a course on computer literacy. We will evaluate its quality and capabilities.

Here we choose Courses, here among the courses we choose, for example, here on the right we see Excel. Course in Excel.

We go to this section. Open course, it is free. The training in this course has already begun. In English - that's clear. Let's go into this course.

We choose. Here it is the course, the content. Description of the course, its meaning. And here all this is below.

And now we go further in this course. And so we found ourselves in the content of this course.

Let's start looking for some sections in this content, for example, let's go forward one by one.

Until we come across a course where it is shown that there are training films here, that's the main essence of these MOOC courses.

We choose this course. We go below. Here it is available to us for viewing. Or you can go look in the youtube, that's if I stick here.

It may later we do. And here the course itself. We start the course.

(sound)

And immediately began the story. Let's open the whole screen.

(sound)

And here you can choose titles. Here they are, and there is.

What do we see in the end? First, a blurry image. Practically nothing is visible. Now we are on the whole screen revealed.

There was a part of the screen, and here on the whole screen. That is, the screen resolution is not enough to see what is written here.

You can increase the playback speed. Twice for example.

(sound)

or one and a half times. And the voice can be removed.

So, high resolution does not give anything - the same quality. And the credits that we just showed. Here there are titles.

And you can refuse the credits on the right. And still the resolution is very, very bad. This is the EDEX course on computer literacy.

It's really nice that there is multimedia, but still the quality of the resolution is not enough.

In our case, we offer courses in computer literacy in the amount of 1080, that is, this is the maximum resolution.

Resolution, in which the user normally sees such programs on his computer in real time. This concludes this section.

### Overview of edX (lesson 3)

Let's take a look at another course - "Introduction to Computer Science" from EDX. Let's see how multimedia technologies are implemented here.

Again, pay attention: I can choose, watch the course in Youtube, or I can look in the player itself EDX. Well, let's run the player EDX itself. Running.

(sound)

We will stride forward. Here the titles are visible, I chose the titles from there, I can refuse.

Captions with translations. One of the advantages of EDX-a, that in the credits credits are possible, moreover, translations made by machine translators. Not very correctly translated.

That is, this is how the multimedia technology is solved: the talking head and some support.

Let's see what else there is. I saw another solution here. Very controversial. When here so build in a number of people. And - let's see this no longer in the player of the course itself, but look at Youtube.

The whole hour is twenty-five minutes. We go in. So we ended up in Youtube - no, we're not in Youtube, we still look at the EDX player.

We look, that here, as here it is realized. On the example of people, figures, maps (here it was somewhere) ... Does not even have time to process the player.

Let's take a step forward. In general, pseudo-multimedia, completely inadequate to the real task.

On this, we conclude this section also.

Overview of KhanAcademy (school subjects)

Overview of KhanAcademy (lesson 1)

Let's get acquainted with another well-known IOK-provider Khan-Academy, or Khan Academy, here it is. [khanacademy.org](http://khanacademy.org) - this is their site. This MOOK provider specializes in school disciplines.

Here is the mathematics of elementary, arithmetic, algebra, geometry, trigonometry and so on.

Also divided into classes, the first, second, third, fifth, eighth, and high school.

Sections "Science and Engineering", "Art" and so on. This is the entire set of courses that is available in the Khan Academy.

Let's go, let's go to algebra for example. Let's see how Khan Academy deals with algebra.

Loaded ... Now we are already in the subject Algebra. We choose, for example, an algebra of the second level of complexity.

Some tasks have already been given, it is necessary to fulfill ... But we will try to find a video where it is told. Perhaps it.

So that's it, we got into the algebra lesson.

(sound video)

Here we are already on the fragment of the course, the sound will be removed. Pay attention, how much poor-quality, sloppy image on the screen, which is written as if by hand.

And again, as in all the MOOK-courses. Coursera, EdX, and all others, there is no interactive. You can only watch videos and listen. Questions, answers, tests, links, training statistics - none of this.

So, let's go forward, turn on the sound again, and listen ... The sound is switched on here.

(sound)

Let's see another lesson. This is the topic of the lesson. And where is the lesson? Here it is, a lesson. Here he is. Here is the text, here is the video, here is the video, here is the testing. And now we start the lesson.

(sound)

forward

(sound)

absolutely beloved, unbearable. Almost can not see the formula and graphics, even if we do the full screen. Even when I'm enlarging the entire screen, it's obvious that formulas, circuits, graphics and so on are not clearly visible.

Let's return to the normal size and come out of this algebra lesson.

Now let's look at another topic, for example, trigonometry. Chose trigonometry. And we'll go watch the video lessons. Launch the video tutorial.

(sound)

We remove the sound, and again we see the same picture. In the player there is no interactive, only start, stop, engine, sound - that's all. And you can open the whole screen.

Bad visibility of multimedia, no test, control questions, search, statistics of training, links and so on. What is in our courses teachpro.

And from here, too, we will now leave. We now go to see, for example, Physics.

Choose a lesson in physics. Let's start with the section "Laws of Newton".

Here in physics, a practical lesson, on this screen, outside the video course, and here I must choose the right answer. Confirm.

It seems I got it. This is how the course is organized ineffectively.

## Overview of KhanAcademy (lesson 2)

Now let's look at the section "Computer Science". Here, for example, is a section. Let's see it. Full screen.

This is the bottom of the text. There is content. And here is the training video itself.

(sound)

Forward

(sound)

If you look closely, the size and quality of multimedia is extremely low. Instead of the image being full screen, we have a special case of pseudomultimedia.

And again no educational interactive. There is nothing of this. This is the section of computer science.

We leave from here. Let's move on to the history of art, for example. We will see. Here are texts, texts, that's how texts look. In the curriculum.

Text and pictures. Text and pictures. Which, naturally, is unacceptable. And now find a video course of some kind. We find a video course.

(music, sound)

The sound is removed. That's already more or less acceptable multimedia, and then not in the right resolution.

You see, not the whole screen. 16 on 9, as it would be accepted in modern courses. But this is a good multimedia.

Let's go forward. Here. " That's already good.

(sound)

Yes, it's not bad. But training, however, does not use interactive.

(sound)

And from here, too, we will leave. Let's see the history of the United States. We go to the history of the United States.

For example, here is this section. 1491th some year. And immediately turn to video courses.

Here it is, in the beginning there. Here, let's see this video course. Again we have a video course. We're watching.

(sound)

What we have? We have again a video of poor quality. We go forward. Disgusting multimedia, disgusting.

Absolutely unacceptable. Full primitive. And here too we will leave. Now look at another section. Microeconomics and macroeconomics.

Well, let's take a look at the macroeconomy. For example, here is this section, arbitrarily choose. And we look, as the course on macroeconomics looks.

Start. Why it does not start?

(sound)

Forward.

(sound)

Multimedia is unacceptably low quality and resolution. All this had to be done in PowerPoint with good texts, fonts and great illustrations and videos.

And from here, too, we leave.

Overview of Lynda (ICT and programming)

Overview of Lynda (lesson 1)

Let's now evaluate the quality of the images of online courses by Lynda.com at their full screen resolution.

Here we start the lesson in some randomly chosen place.

(sound)

The sound is now removed. Subtitles can be called here. Synchronously listen.

(sound)

And now the most important thing, let's see what the computer screen looks like, what kind of resolution it is. We open to the full screen.

And this lesson I will write in 1920 resolution at 1080.

Look, what we see now, this lesson is written in high resolution, we see that not all the signs are visible, not all figures, not all texts.

That is, the screen resolution of the online courses of Lynda is not high enough.

While similar courses at Multimedia Technologies will be in full resolution.

Let's take this, too, and the credits, and this is the resolution that we are talking about.

The track of the player left, and we see the real resolution that we could have.

Let's do another review on other courses. But here we will stop and pause.

## Lynda Review (Lesson 2)

Let's take a look at the other sections of Lynda's courses. Let's make such a quick review.

AutoCAD we have already watched. Now, for example, 3d-animation.

Choose 3d animation, choose 3d MAX, and see how this course looks.

All the same. Lessons are broken into small pieces for 1-2-3 minutes. The first introductory lesson is not very interesting. Let's choose some other one.

For example, here is this lesson. Titles will be removed. And we'll see what the lesson looks like. The sound is added.

(sound)

Boring, slow, not very effective.

(sound)

In this resolution, nothing is visible at all. But when the whole screen, notice that even the entire screen is not visible. Let's go back.

Look, this we see on the whole screen. True, a fragment of the screen. We'll come back again.

But actually on the whole screen when I opened this picture, we do not see those texts that are written here.

That is, the resolution that is selected is not sufficient for modern courses requiring full screen resolution.

Therefore, we will restore, so that the course is now included in the size of the recording of the screen I'm doing, and here I can not see anything else.

Once again I pay attention, a lesson without interactive, without search capabilities, without tests, without questions.

There is no didactically verified interactive. Let's get out of here, too. Let's choose one more lesson.

Back, back again. These are the courses, here is this library, we saw the 3d-animation, Autocad looked. What else?

Let's take a look at the photo. How are the courses on photography. Here they are. Let's see what kind of courses.

Incomprehensible names. We immediately went into the first lesson. Better in between. What do we have here? Turn on the sound.

(sound)

Let's right now I'll open the whole screen. Pay attention, the texts are not visible. Although I look at my computer in full screen.

We return back. Here we are again in the usual resolution. And here, too, the technology of the talking head is actually realized.

The author is giving a lecture, and we see only the author, and we see very little on the computer screen.

And what's good, here under the screen we see the credits of this lecture. This is something that we also realized, but in a slightly different ideology.

These are all approaches, they are the same for all authors. We will take some other course. Another lesson, let's see how this is done here.

Here already with a camera. This is already better, here the multimedia elements are implemented in some form, but again here is the long story of the talking head instead of displaying all these real physical objects, pictures, colors on the screen. We will listen.

(sound)

Zoom in on the whole screen. Again, only a part of the screen is visible, but we will see in real resolution,

(sound)

That's how the course on photography was realized.

## [Overview of IOOC-providers](#) [Overview of IACC-providers in Wikipedia](#)

Let's make an analysis of the leading or largest world MUK-providers according to data from the English-language version of Wikipedia. Let's start with the Coursera portal. This is today considered the number one among the MUK providers.

I already here translated into my language. Show original. This is the original. Original article about Coursera on Wikipedia in English.

Let's immediately translate into Russian for the convenience of our users. And on the key points pay attention. This is the portal Coursera is their type logo.

This is what their description in Wikipedia looks like. And what are we ... what will we pay attention to. Site type - Internet education. Available in English, Spanish, French, Chinese, Arabic, Russian, Portuguese, Turkish, Ukrainian, Hebrew, German, Italian.

Headquarters in California. The founders are Andrew Eun and Daphne Koller. The key leaders are Rick Levin. Employees - one hundred and twenty with a large man in August of the fourteenth year.

Alex-rank - I already told you about this in a special review. Users - fifteen million for September of the fifteenth year.

Launched - April two thousand and twelve. The current state is active, that is, it is in operation.

What can you pay attention to here? In September of the thirteenth year, he announced that he had earned one million dollars as early as the thirteenth year.

The company raised eighty-five million venture capital in the thirteenth year, that is three years ago. Here ... And what else?

In January of the thirteenth year, Coursera announced that the American Board of Education had approved five American courses for colleges.

Issuance of diplomas, on-line service. Well, you can look at the rest in working order on the English version of Coursera.

Next, not so much for popularity, as for popularity in the first place in Russia, because the Ministry of Education has based on the portal EDX. This is another portal - EDX.

Let's compare his rank - he is much, much worse than the rank that Coursera. Let's go back, this is the key indicator. What is Alex-rank. That is, the lower this figure, the better.

Alex-rank 577 - this is the Coursera, and 1295 for October - this is the EDX. Now, EDX is also launched in the 12th year, that is, they generally launched MUK-providers in these years.

So, here's Udacity we'll see. What more I can say? In the 14th year - seven million. There, remember, there were 15 million? In figures for Coursera. Well, you can also look at it in working order.

The key factors are that the Alex-rank has a number of 1295, in contrast to Coursera.

Next we'll see. A very advanced portal is already Khan Academy. This is the school portal. Here is their logo - this is a tree.

The same indicators for Khan Academy. And why is there, unfortunately, no rank - Alex-rank? But I know that this Alex-rank is much better than even Coursera, and even more so than EDX.

Creating videos that were devoted to teaching math is, here, Khan started, Salman Khan wrote courses for his niece, then quietly turned it into such a working portal.

And the beginning - the beginning ... the beginning, here is not present too ... You see, 15 million dollars of the income has. The beginning is also not indicated - but: "The organization started in 2004 ..." - but it is not so; in the 12th year it was actually launched on all my data.

So, the third portal I want to show you is Udacity, probably. Yes, Udacity. Here is another portal. Here, the founders are Sebastian Troon and David Stevens and Mike Sokolsky.

It is believed that it was founded in 2011. Alex-rank is even lower than the EDX-a - 2463. One and a half million - one and six tenths of millions of users. Now, this is Sebastian Tran, the world economic forum, the 12th year.

Well, and so on. And here, too, unfortunately, there is no Alex - ah, yes, Alex-rank yes, I was, I already said.

The next site we'll see is Udemy.

Let's see when it's based, Udemy. It was founded in 2010 year. This is a little higher. All these portals, it is believed that the first IUK-portal was exactly Coursera - 2012-th year.

This is already some, apparently, attempts were made in 2010. But he, of course, lags behind the portal Coursera, which is considered the founder of this entire system of online courses.

Today - four hundred courses, ... more than 42 000 - regular users 42 thousand. Eren Bali and Gagan Blaine. This is Udemy.

And let's see ... the portal ... so, Coursera we watched, EDX watched, Khan Academy ... Lynda we'll see, no - first, TED we'll see.

TED is the same MUK provider - technology, entertainment and design. English, subtitles in several languages are available. New York, USA, headquarters - Vancouver.

Alex-rank is, unfortunately, not here. And, there is, there is: Alex-rank - 834. This is very good. This is almost commensurate with the rank of Coursera, and is significantly ahead of EDX 1295.

Coursera is better, and TED - 834, close to Coursera. When was it launched? Again in 1984 - it's unrealistic, it's all far-fetched figures, all the IUK portals were launched after Coursera, that is after 2012 in such a working mode full. This, here, is the founder of Jimmy Wils.

And so on. And the portals we'll see, Lynda and Rosetta Stone. Let's first see Lynda.

This is Lynda, which specializes in computer literacy programs, usually in English.



The company Lynda itself was founded in 1995, but actually online courses in principle could appear no earlier than the 10th year, when the cloud technologies came,

therefore ... the number of employees for 2014 - more than 500 people. Revenues are one hundred million dollars in 2013.

In fact, the company Lynda in 2015, this year, it says LinkedIn purchased for 1.5 billion dollars. That is, this company today is worth a half billion dollars.

This is how the portal looks.

And the last portal we'll see is Rosetta Stone. This is a portal on foreign languages. About thirty foreign languages.

Again, the company itself was founded in 1992, a quarter of a century ago. Here, but really online courses began to do not before 2010-even later.

A stable version is the Adobe AIR platform / language learning using computer programs.

This company in terms of turnover is commensurable with Lynda, that is, its market price today should be about one and a half billion dollars, because its turnover is about the same as that of Lynda. That's what Rosetta Stone looks like.

Here, on this ... yes, unfortunately, Alex-rank is not present, but it is commensurate with Coursera approximately.

Everything, on this we finish training here with these indicators, market indicators of MUK-providers.

### Rating of IOOO-providers

Let's try to assess the relevance and efficiency of online portals of well-known MUK providers for today - today we have 10 - no, on January 11, 2017.

For this we take as a basis the well-known portal Alexa. This is a subsidiary of Amazon.com, known for its website, where statistics are collected about the attendance of other sites.

That is, according to attendance, the rating of any mass online portal is estimated. There is Alex Rank - it is possible to search, read.

This is such an indirect sign that a particular portal enjoys mass attendance. Now we will go directly to ...

For a basis we take the known information which has flown all over the world, online formations, that Lynda.com is very well-known portal where only online courses on computer literacy are concentrated.

Lynda.com, which was purchased by the well-known LinkedIn platform. Let's see what is said about this.

The social network LinkedIn acquired one of the oldest educational online platforms Lynda.com for 1.5 billion dollars. This was in January 2015.

Close the transaction is planned in the second quarter of 2015, most of the employees of Lynda will switch to work in the social network.

That is, Lynda.com was estimated at a market of one and a half billion dollars. Now, in comparison with Lynda.com, let's try to estimate: what is the cost of other online portals here in such a comparative evaluation through Alex-rank.

To do this, let's see where we have Lynda.com. Now, do we go to Alexa's website? Where is the attendance of Lynda.com. Let's see what her attendance is.

Moreover, here in the opposite direction, the higher the level, the more attendance. And Lynda.com's attendance has fallen recently.

And today, Lynda.com has the rank of 1206 in the world and 697 in the US. Do we estimate this much or little?

For example, we just know that Lynda.com cost \$ 1.5 billion. Let's go to a similar alexovsky portal for EDX.

Here is the EDX-portal. Let's see, what is the attendance of EDX? Approximately at the same level: in the world - 1290, and in the USA - 1333. Here is the ratio.

Once again we will return to Lynda: in the world of 1206, in the USA - 697. And here: in the world - as much, in the USA - is worse.

Next portal: Coursera. What do we have here? Its values are even higher in attendance. And, accordingly, the site puts 684 in the world and 708 in the US - this is a very high level in comparison with Lynda.

Once again, compare with Lynda. In the United States, if the same, then in the world, for the world level, Coursera is much higher. And it's not surprising, because Coursera is a very popular site in the world, and Lynda works exclusively in the US and exclusively in English.

And now, what is the attendance schedule, that is, January, apparently, for October, November, December - these are the January problems, today is the new year, so this decline is planned.

Let's see a similar portal Khan Academy, a well-known school educational online portal. Khan Academy. What we have? Attendance grew briskly even in January, strangely enough.

And now, wildly high attendance compared to even Lynda - 142, and here 637 in the world, that is even higher compared to Lynda again, which costs a half billion dollars - see.

Even in the United States is not commensurate. Khan Academy, I'm sorry, that's it. They closed Khan Academy.

So, the next portal is TED. What do we have here? Too very high rates - 880 and 639. Again we compare with Lynda - 1206 and 697.

Now we compare it with the well-known world brands, so that we can see how much they have a high level of this rank. Ranking.

IBM. Here this IBM: 336 and 616. By the way - oh-oh-oh! - the rank of Khan Academy seems to have been very high.

And Microsoft is, in general, a classic, one of the most famous portals. We look at Microsoft. And here in general it is very high: 42 and 31.

Here such an indirect analysis of the business efficiency of the well-known IUK portals shows how rapidly this sector of the economy is developing.

## Overview of Russian and Kazakh projects OpenEdx National Open Education Platform

And now let's review the Open EdEX portal. This is the same portal EDX, but designed to service online education worldwide.

Here there is all the documentation, all the conditions, requirements, that any universities from around the world can come to this portal, understand where and how the documentation is located, and get on the EDX portal.

Everything here is for this. I'll make a short review. For example, let's go here, and here we'll select Getting Started.

We will find ourselves in this section. Here everything is described in detail about the introduction about the portal, documentation, requirements, everything-everything-so that you can become a user of the EDX platform.

In this case, the expansion is ideally realized by EDX. Let's move on to About Open EDX, let's see what they achieved results.

And here everything is described in detail, it's very long to understand, to understand.

Well, and most importantly, here we were here, these are already high schools from different countries in different languages, which have already become users of EDX.

Here in English - Stanford Open EDX, and further all of them are listed here, different universities, universities, companies.

It's in English. Here they are, so many courses. And of course, most of the list in English. We go down, down, down.

Here already in French. Digital University ... In Spanish ... Let's see if there is any in Russian.

In Chinese, there are so many universities. Taiwan. Turkish universities, and here in Russian. National Platform for Open Education.

Eight universities in Russia, which became users of the Open EDX portal.

Some EdRuX. And the Ural Federal University. Here they are, too.

Further in Portuguese, Japanese, Arabic. Italian, Greek.

That's the number of universities that managed to embrace EDX, and further development goes in the same direction. Very powerful expansion.

## Review of NES (Russian Electronic School)

Here we are now on the website of the President of Russia Vladimir Vladimirovich Putin. Here is a link to the meeting of the State Council for the Improvement of the General Education System, which took place on December 23, 2015.

(sound)

And now we immediately turn to the squeeze out of the President's Order of January 2, 2016, following the results of the December meeting of the State Council. The President of Russia issued instructions on the results of the meeting. This is the assignment. Let's look at him.

This is the assignment. Also on the website of the president. From January 2, 2016.

I draw your attention to point B. "Ensure the creation of an open information and educational portal in the Internet network that facilitates the implementation of educational programs for primary, basic and secondary general education, using e-learning and distance learning technologies (e-school).

And here .. From here I'll go straight to the squeeze out of this assignment. Here it looks like this. The Government of the Russian Federation. Develop a set of measures, and here is point b) to ensure the creation of an open information and educational portal on the Internet that facilitates the implementation of educational programs for primary, general and secondary general education using e-learning and distance education technologies (e-school).

Term - December 1, 2016 = And now we'll see what was done by that date, by the first December 2016.

I draw your attention that I am writing this lecture today, January 6, 2017. First let's go to the site with a link about the planned launch of the Russian Electronic School portal. Here is a link to this portal.

Russian ekketronnaya school. Abbreviated NES. And this is what is written. This is already the date of November 21, 2016. That is, 10 days before the start-up time set by the President of Russia on December 1, 2016. Please note that access to the NES portal:

Login and Password are somehow on the screen. You can go, I went. Now we are moving here. Here we are already on the Russian Electronic School portal.

This is the portal. Image of the Minister of Education. As far as I know, this portal developed IT companies under the Ministry of Education and Science - INFORMIKA. This is the Institute under the Ministry of Education and Science.

Let's see what was done within the framework of the instruction of the President of Russia. Let's see how these classes are implemented.

On the site there are online courses only for the fifth grade. Fourth class - there is no reaction. The third is not. The sixth is not present. No other works.

That is, we have courses only for fifth grades. And even courses that can be provisionally named, however, like all other online courses of Western and Russian providers: "Speaking heads". (That is, we have instructor lectures in front of the camera with little or no multimedia and no interactive.)

Let's try to consistently evaluate some courses. Where do we start? Let's start with mathematics. One of the most important subjects.

Here are the authors of this course. These are the lessons for the fifth grade. When watching, let's always take lesson number 3.

Here is what we have on the topic: "Rounding of natural numbers." Theoretical part ". Running.

(sound saver)

NES - Russian electronic school.

(pause, video)

In my opinion, the completely inadequate rate of presentation of material in mathematics for schoolchildren of grade 5. Let's see how the rounding of numbers is disclosed here.

(sound of lecture)

The sound is removed. You can get an idea of how this course works. Again the talking head and the slow unfolding of the lesson theme. Most importantly, there is no interactive.

And even multimedia is very conditional. The image is clearly not using the experience of a professional designer. This is unacceptable.

This is mathematics. The presentation was. From here we leave. Now we'll look at another lesson. Here - Fine Arts. No, let's take a look at the biology lesson.

Here are the authors of the courses. And again the third lesson will always look. Lesson 3 for the 5th class of biology. Running.

(sound)

Pay attention to the functional of the player: no modes of control and test questions, statistics, reactions to questions and tasks, there is no possibility to insert bookmarks or have links to the Internet on the topic of the lesson. And multimedia is very poor. Ordinary video. The classical MEP online course, which we have that Western (Coursera, edX), that Russian (NPO, NES) MEP-providers.

The sound disappeared, he was already dying. The disadvantage of this player is that if I try to go ahead, here it shows the IRS and breaks down. Critical drawback, which I noticed. Let's now take a fourth lesson. Do not pull the player so that it does not break. Start.

(sound)

Pay attention to how miserable and simplistic multimedia are used. Too ridiculously simple. Again actually talking heads.

Let's go forward. I'm afraid that will again sobrvetsya. Removing. Here, it turns out. We look .... Let's get out of here.

Let's try another lesson. English. Let's see how the English are presented here. Again we will open the third lesson. Run it.

(sound)

Again we have a talking head and wretched multimedia. And the slow and ineffective teaching of English without pronouncing words into the microphone in the language being studied, without repetition, without the support of the video series,

without texts and translations, without explaining how and what to do during the lesson. What can be seen on the portal PoliglotPro.ru. Or as is done on the portal of the world leader in teaching 30 foreign languages to the American company Rosetta Stone.

That's how to close the reviews and finish. Under koentz we will look at one more course. According to the story.

Again, see lesson 3.

(sound)

Again we have a lecture of a talking head. Which is very inefficient. There is no visual and imaginative multimedia. There is no didactically derived interactive. Very inefficient teaching History. There are no control questions. No tests. There is no text. There are no search engines for finding the topic of the lesson in any video. There are no bookmarks. There are no links to the Internet for important events on the topic of the lesson. There is nothing of this.

Here is the NES portal of the Ministry of Education and Science that was supposed to be launched in December 2016, but for today, in January 2017, there are only courses for grade 5. Most importantly, even if such courses are made in the near future for all other classes, there will be little sense from them. "Talking heads" will become obsolete faster than outdated pagers and readers in comparison with smartphones and tablets.

## Comparison of NES and TeachPro

Let's see an example of the NES portal lesson. "Figures in the Surrounding World: A Figure on a Plane and a Body in Space: Shape, Size."

(sound video)

note: the NES portal player does not have any interactivity in the form of feedback, control questions, statistics of responses to tests and tasks, there are no search engines, and so on.

There are not even titles for the lesson. Let's hear what the lesson on the NES portal looks like, until the end. These are about 6 minutes 27 seconds ..

(sound of the lesson Geometry originated in ancient times ...)

Well, and so on ... Next on the steps and go forward the current lesson.

(more sound: in the image ...)

And now let's see the courses done 10 and 15 years ago, and even more, because there are courses on Windows 95, and see how they work on the mmt.teachpro.ru portal in interactive in a new player on the HTML5 platform on any smartphone , tablet or computer.

Let's pass, for example, to the lesson of physics. So here I chose the physics course, 7-11 class. We pass. These are the lessons of physics.

Physics for the entrants. This course was sold in all stores in Moscow on CD-ROMs, and in 2008 it was even reprinted by the publishing house Peter-Press.

Here is a complete course of physics, and solved problems, 300 solved problems. Separately there was also a remake of physics, a thousand solved problems.

From the textbook, if I'm not mistaken, Buchovtseva. Let's see how it looks in physics, for example, optics, let's go into optics.

(sound video)

I will clarify that this all works in a new player on HTML5, ie on any smartphone, tablet or computer, has a number of interactive functions, which is not a single MOOK course, Coursera, EdX, NES portal, national platform portal and t .

Here are some possibilities: One of the main possibilities: here we were now in the film mode, that is, when the lesson is simply told.

Now we will immediately go into the control questions. Still there is a stepping mode, these are the risks that appeared on the screen, and the control points in which the questions are asked.

Let's listen to the lesson, compare the multimedia, visibility, and compare the interactivity, in addition there is the possibility of statistics of the educational process, answer the questions, do not answer, you can call the whole course and listen to the credits together with the credits,

More bookmarks: I can make bookmarks anywhere, and we'll do this bookmark somewhere.

And now listen to the lesson in interactive mode

(sound)

You can increase the speed. Let's increase the speed so that everything passes faster.

(sound)

Let's make a bookmark here. We'll somehow call her. Here we make a bookmark, here I am now inserting a bookmark, and call it "imaginary image."

I type: imaginary image, and I add this bookmark. And then I listen to the lesson.

(sound)

Enhance the sound

(sound)

There was a control question. So I have to choose a formula, if I choose at random, it's wrong, it's wrong, it's wrong, but this is the right answer.

(sound)

And so on. We will now step forward with fast steps forward to assess the visibility and multimedia of the image.

And so on. Let's move on to some other physics lesson to return here, to this tab, which we then put.

Let's move on to some other section. For example, forced oscillations and resonance.

(sound)

And here, too, we will not use the mode of control questions and test tasks. By the way, there are test tasks. We will not use other modes, just go through the lesson.

(sound)

Note the potential for visibility of courses, if they are made with simple graphics, elementary in PowerPoint,

And then, they are presented without unnecessary this talking head of the teacher, which is practically in all modern MOOC-courses, that in Russian, that in the western.

(sound)

Here is a fragment of the film, when the bridge collapses at a resonance. Let's see how it looks.

(sound video)

And now, the potential of visibility is very large. And I also wanted to show you how to go on bookmarks. Remember, we there did bookmark "imaginary image". Here we are now going into the "imaginary image".

(sound)

You see, we went back to that lesson where there was an imaginary image, from this place we continue.

Now I will make a brief overview of all the other possible courses.

for example, even in physics for grade 11. Okay, we watched the physics. Choose: History of Russia.

(sound)

The correct answer is Muslims, but I'm wrong, I'm wrong again, but this is the right answer.

(sound)

and so on. Let's quickly go through this course, forward, this is how the multimedia image of the current lesson unfolds.

This course was done somewhere ... somewhere around 2008, that is, much earlier than the MOOK courses appeared on the market in general.

(sound, question)

Another lesson we'll see. Fine arts, grades 1-4, for example. A course for children. What can we see here?

Here, "we work with paints." Lesson "Meet Ruben Vasilievich Suryaninov".

(sound)

Again, interactive, learning statistics, bookmarks, quickly go through

(sound)

in this lesson we get acquainted with the artist Suryaninov, and in another lesson we'll see how Suryaninov paints.

(sound, Still life ...)

Let's move fast. Here will be the voice of Suryaninov himself.

(sound)

and go forward. This is still life, which draws Suryaninov, the whole process unfolds before the children.

Now consider Chess. Whichever lesson. The lesson "The Italian Party" we'll see. In accelerated mode, so that the process goes faster.

One and a half times. And launched.

(sound)

Let's pass in a mode of an interactive.

(sound)

Now the slider approaches the risk, and I will be asked a question

(sound)

Probably, the elephant is for five or five.

(sound)

here the answer is erroneous, but here the answer is correct.



(sound)

We go forward. Well, and so on.

(sound)

Here the pawn d5 attacks this horse. But at first I am wrong, no, no, no, and that's it.

(sound)

something else we'll see, mathematics. Well, give us an arbitrary lesson, for example, this one.

(sound: the physical meaning of the derivative ...)

Quickly scroll forward, again I remind that the lesson is interactive. Let's choose one more lesson. Properties of the sine function.

(sound)

And so on. This is the full course of school mathematics. For applicants. Great course. People used. Issued in 2000, reissued several times, together with a book.

(sound)

Naturally, at present, such a course will be made to order brighter, more efficiently, in larger size, at a higher resolution, and in better sound quality.

(sound ratio of area)

This is how the multimedia interactive courses of the TeachPro series on the HTML5 platform look. All this is ready, all the huge material, all these courses,

including computer literacy, programming languages, PowerPoint. Excel. Word. Windows. CorelDraw. Photoshop.

All this is on this portal, I remind you again, [mmt.teachpro.ru/](http://mmt.teachpro.ru/) You can stop by, use. Good luck!

## E-LearningCenter Tikhomirova

We will make a review of the portal e-learning center, the head of the portal Tikhomirova Elena Vladimirovna,

is the daughter of the respected Vladimir Pavlovich Tikhomirov, the former rector of MESI, this is her portal e-learning center.

Here it is, her picture. Revolution in learning. Let's see what courses they did.

Let's increase the screen to be visible, so the scale increases, and here we see the courses already.

That's actually the courses that the e-learning center has created. Let's see how these courses look.

Soft-skills. Let's see how many courses are done here. We go down, down, down, down.

It seems there is only one course here. Now we will try to launch this course. It does not start.

That's all . One course from the SoftSkills series, and that does not work.

The second course Adaptation. What is it, we'll see. Let's see the courses for all tasks. We go down.

Here is Adaptation - Read the case. Here is some kind of demo-lesson. Texts, texts, texts, on the right picture.

That is, a normal demo lesson is not shown anywhere. What is doubtful and suspicious.

We go further ... We are closing this.

Another course is looking for here - Processes. Let's see what the processes are.

Here there are courses. One course - examples of work. Let's see if it's available. Here again some texts. This, too, is closed.

Then we go to see the courses from the third series. Products and sales. What we see here ... Three lessons here.

What is happening here? Loading again the demo-lesson. Here it is not available. This is not available here. Also close.

The penultimate version is production and safety. Production and safety courses.

Again, examples of work. One, two lessons. That is, two lessons in each of the five or seven disciplines.

Let's see what we'll see. Also, we will clearly see the description of the courses, but not the courses themselves.

Why not show the demo lesson, what does it look like? The picture is beautiful relative, texts, and no animation.

So, this is also closed, and the last type of courses is the Software.

And that's what we have here. Metatrader for alpha-forex. Siebel for JTI. Again two lessons.

Thus, we saw from six courses about one or two lessons. Approximately 12 pieces, and then we did not see the demo version,

animation and voice did not see, although probably there is, but we did not see it.

And around the proposal "Cooperate with us, we will help you to create courses."

And here are the partner logos, our experience, but for some reason the courses for us are closed. It's a pity. Thank you.

## Lektorium

Now we will look at the site lektorium.tv.

On this site there are lecturing lectures on various disciplines.

Here we see the logo of the site of the lecture hall,

clicking on which, we go to the main page.

The page says 50 thousand students, 4 thousand hours of video, and more than 20 partners.

So, choose a course, go to the search, and here they are partners, for example Kaspersky Lab and various universities.

Let's pass to the lectures themselves.

Senior students and applicants (open) here have a large number of lectures. Now we'll figure it out. Here, I open AutoCAD, here we have examples of lectures, chapters that will be studied.

But, as we can see, these are just planned webinars: 58 videos, 72 academic hours, 10 test tasks and one creative project.

Get free training, the launch date is being updated.

You can enroll in this course. Students and specialists here are the same, here are collected different lectures, for example, let's take logistics, training free of charge, launch date.

Further training - again autocad, chemistry, world art culture and many different things. We open it, and here only the record for this lesson.

This lesson can be enrolled, it will take place at a certain time, you need to connect and watch at this time.

There is also an archive of video lectures here, the most interesting is that here are collected thousands of lectures, at the moment there are only 3806 lectures, each lecture about an hour, even an hour and a half.

Lectures, say "higher algebra," we launch and watch.

(sound)

That is, a person shows on the blackboard, for students, understandably with reservations. Well this is not an announcer version. It's just the courses that a person spends at the institute.

Conduct courses for students, write down and upload on lektorium.tv.

Here, in principle, there is no interactive, only the annotation to enable or disable, the playback speed (normal, accelerated there) and quality up to 1920 at 1080.

That's certainly cool, but again here is the player with Yutuba, all the lectures are posted on YouTube and inserted also on this site, they have their own channel then we'll see,

You see, you can put the qualities here, you see how clearly and clearly written here. The site itself is not bad, and absolutely free.

You can expand the video in full screen. If you want, you can go to the YouTube channel, there are 1147 videos.

Here it is the channel. Here all the videos on YouTube, there are a lot of them.

Here are the lectures. Higher algebra - a given topic 74 lectures,

There are full-time programs, the cost of 50 thousand rubles, the duration of 5 days for 6 hours, the venue - the studio of the lecture hall, the date of the same here. They offer full-time education.

Who lives in Moscow or St. Petersburg - can pass full-time courses. Here you can choose these same courses.

Forum - you can go, read something, maybe someone will be interested. So, the blog. Partners to offer advertising to place.

User beta testing, support.

YouTube channels, VKontakte, Facebook, Twitter. Next, legal information about the team, support the project. Jobs ... Contact information - here only the email address and all.

There is also a login button, so you can register here if you want.

Either enter through social networks and if you want to see it all. There are a lot of video lessons here. And at once I speak on personal experience, I passed some lessons here, and they really liked me.

It's hard to say this site is better or ours with interactive, there simply is no interactive, but in principle, it's pretty easy to understand, and I really liked the lessons. Of course they say with reservations clearly, of course, the lectures are long, an hour or more, it should be very diligent to be able to view the entire lecture. And we have 10 minutes, you can listen and immediately relax before the next.

Someone will say plus, someone will say minus that lectures by the hour. Everyone has an opinion, so I will not impose my opinion on anyone. This site is good, but there is no interactive, they have a player from Youtube, they do not even have their own player.

And then even ... I do not see it as such ... There is not even a subtitle.

If only go to the Youtube channel itself. So, so, so that there can still be useful. Archive of video lectures.

But, there is a type of material here. Conference, lecture course, lecture, subjects - computer science English, software engineering (I will not all enumerate, they are all visible and accessible). Further partners.

you can watch the video from some specific partners, the date of recording.

You can choose, by the date you want to search, you can select a course,

search - go to search, archive, find out details.

(long pause). Well, on this I finish the review of this site.

## TeachVideo

Now we will consider the site teachvideo. Here are the main sections: the basics of PC, office, graphics, Internet, multimedia, miscellaneous. Here are new items - newly created lessons. Further on the lessons of the lessons - for the day, for the month, for all the time,

just below all the lessons went. Links to social networks,

so that you can share, the channel on youtube, the channel on facebook, the vkontakte channel, and the microsoft and corel partners.

On this site there are a lot of video lessons in Russian, and absolutely free. Let's choose some video.

(sound saver)

and here it is played by clicking on the teachvideo logo we will return to the main page,

advantages of websites are understandable: free, the opportunity to learn in Russian, only in Russian. Now consider the shortcomings: there is no interactive, no interactive here. Here, just a lecture is read by the teacher - and everything, reads, reads and reads. There is no such thing that could be from that, let's say control questions or test questions - there's no such thing here! .. They just read a lecture ...

Let's see. And so you can choose any category at the bottom to click more courses, then there will be even more video lessons than it was, choose for example virtualbox you open a lesson, any here in the player only the volume and the button in full screen,

and everything, there is nothing else. Full screen.

(sound)

And that is a fuzzy image. Our site teachpro and softpro - there is a resolution up to 1920 at 1080. I do not know about this, it is not written here how much, but few - the video quality is bad. There is no interactive, there is not even a subtitle or text for the lecture.

Even there is no subtitle - this is generally ... Lynda.com at least had subtitles, but here they are not, only the volume is in full screen.

The lessons are short, 37 seconds, for example, a lesson.

Here are 4 minutes lesson, and on teachpro and softpro for 10 minutes lessons. That is clearly shows that in this site is not able to compete with the site teachpro.

By the way, let's go to teachpro, then if we choose any lesson, we can take tests first, turn on the test.

(sound)

And in teachvideo this is not, in teachvideo naked lectures, talking heads are so-called. Here is a link to youtube - "look us at youtube", open it.

In front of us, youtube channel opens, in which lessons are collected in different categories on different topics.

Here is the whole video, there are 4739 videos here, but they are short.

facebook - here is a group on Facebook, (pause),

(sound)

there are also video lessons, and VKontakte (pause) in the video section of the 5818 lessons,

Here is their news (pause), descriptions of everything, they have more "about the project," it's briefly about their site, contacts, how to contact them, two e-mails and a form for sending.

The press, about us - something does not open. Work methods,

advertising on the site, we can place advertising on the site, user agreement, you can read if there is a desire,

FAQ - Frequently Asked Questions. Office - it's good that there is 2013 office, a new one, and then this site is not updated for years - this is an undoubted negative of this site.

Our site is not comparable, we have interactive, we have lessons longer, the quality of lessons is higher, the resolution is higher, there is a text of the lecture, there are subtitles, our site will be translated into 10 languages, and this only in Russian. Our site is better, everything.

## TechDays

Now we will consider the site teachdays.ru.

This site presents various training materials on modern technologies developed by Microsoft.

This is where Microsoft technologies are located.

Themes, site titles, etc.

For example, team development.

And here are listed a variety of video on team development.

There are a lot of them.

Of course, full-fledged video courses here do not smell for some useful lessons here.

Here the recorded conferences are recorded and laid out. Here we shall open for an example

Here it is open. We open any video we launch. Running.

This video is 44 minutes long.

We go back. Choose the theme of Windows 8. There are a lot of courses on the topic of programming in Microsoft. This is a site for development in Microsoft.

Only video lessons for development and programming for Windows using Visual Studio.

Here you can see the entire list, by which you can find the video you are interested in. There are so many videos. Undoubtedly they are useful. But there is no course like Excel or Word here.

Reports. Send out reports. DDOS attack. Asp.net. Various reports.

Speakers / Here you can read who is the speaker.

Partners. Enumerated partner, system administrator log, all.soft / ru and other available portals

Partners, reports. There is a tape rss. You can subscribe to news updates. There is a link to Twitter.

Here is Twitter

And a blog. Here it is a blog.

Interactivity here is not any. There are no questions, neither control, nor test questions. There is not even a subtitle. Here only the quality is high - low. And that's all. There is nothing more.

No subtitles, no interactive, no questions: test and control. No bookmarks, no prompts.

Well, here's another lesson. Quality and everything is included.

There are a lot of lessons here. Anyone can get acquainted. Everything is absolutely free, which is a definite plus. Everyone has the right to choose what he likes. This site as a competitor TeachPro is rather weak.

Here, Microsoft technologies are no less no less. Even there are no full-fledged video courses. Only excerpts from different courses.

There is even no systematization of the courses: how many lessons, how many hours, etc. There is just a separate video posted. I'm in prison and that's it.

UniverTV

Now we will look at the site univertv.ru.

This site contains video lessons on various specialties.

Here is the website logo, clicking on which we go to the main page.

Here you can read the news.

About the project, here you can find different items, about the site, contacts and so on.

Useful links. Here are some links.

Board of Honor, Rss, Login, Register.

There is a list of subjects on which you can listen to lectures. For example, computer science.

For example, computer graphics.

And here is a course of lectures on computer graphics.

I open it, it loads.

went to the lesson.

There is only volume.

Full screen is displayed by double click.

No subtitles, no interactive.

There are no questions, tests, controls.

Just a bare lecture and all,

which the teacher reads to the student. And everything, there is nothing more here.

This site lags behind the site teachpro.ru.

Let's open the programming,

course of lectures on object-oriented programming.

There are lectures about C ++.

Curious, programming.

There are a lot of video lessons, and here not only computer, but in all specialties,

they also advertise the site from the same company Interneturok.ru. These are school lessons.

News of the project, useful links ,, board of honor. Well, in general, the same as above. You can watch the channel in Youtube, he has 104 videos.

What else is there useful? Internet lesson, opens here such a website.

Clicking on the site logo opens the main page of this site.

Here you can choose by subject, by class, choose an object, such as mathematics.

We choose a class of 5 and here they are lessons in mathematics.

also there is informatics, 5 class many lessons here.

Univertv.ru and interneturor.ru are two sites from one author.

Let's return to univer.tv internet lesson quality HD 720, and we have 1080, so this site is good, but teachpro and softpro are better.