

Portfolio

Projects & Products

**SPEECH SYNTHESIS AND RECOGNITION LABORATORY OF
UNITED INSTITUTE OF INFORMATICS PROBLEMS
OF NATIONAL ACADEMY OF SCIENCES OF BELARUS**

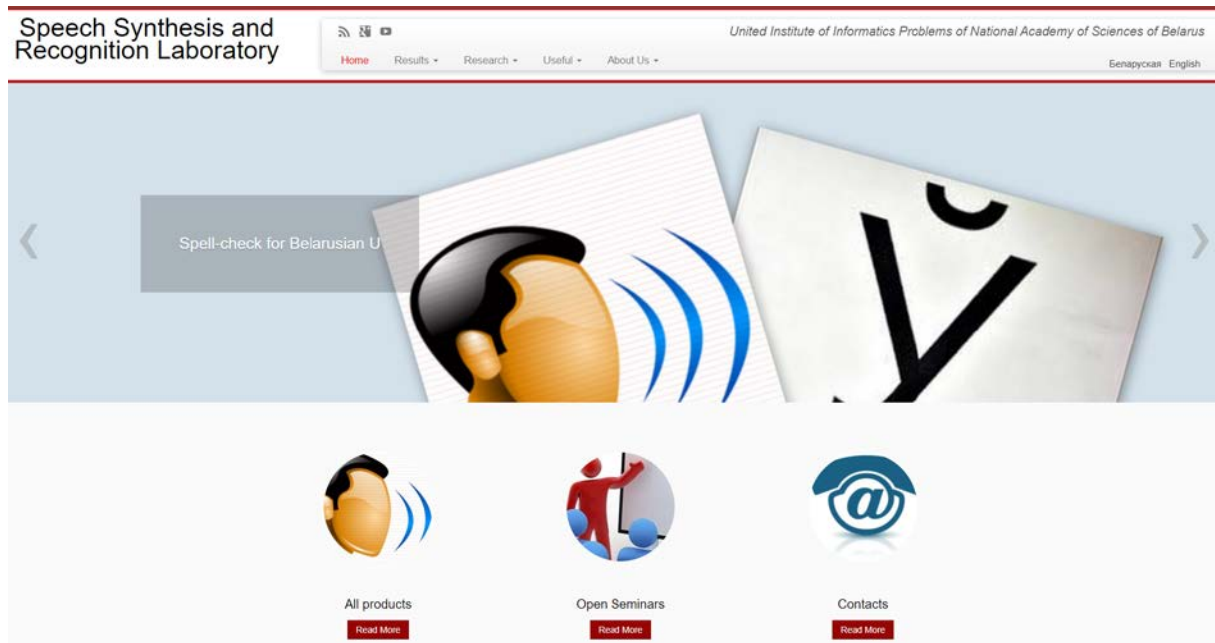
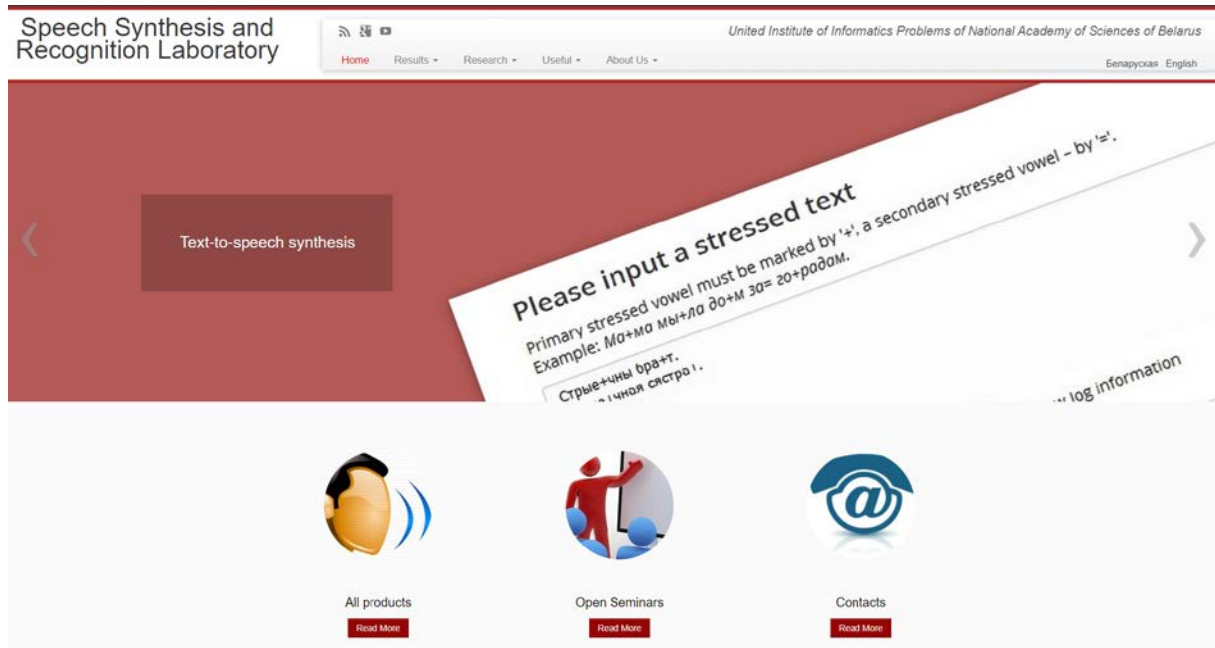
Title: Speech Synthesis and Recognition Laboratory of United Institute of Informatics Problems of National Academy of Sciences of Belarus

Product Type: web-site

Link: <http://ssrlab.by>

Languages: Belarusian, English

Tasks: front-end, back-end, multilingual, content management, launch on a client's server, permanent support, automatic backup



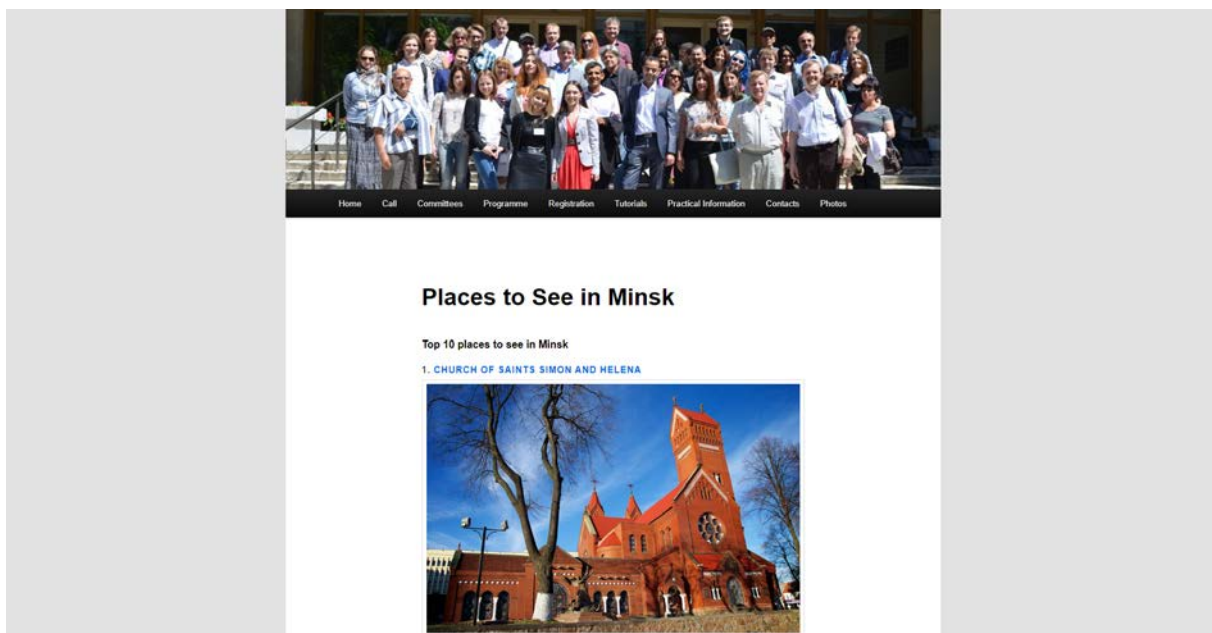
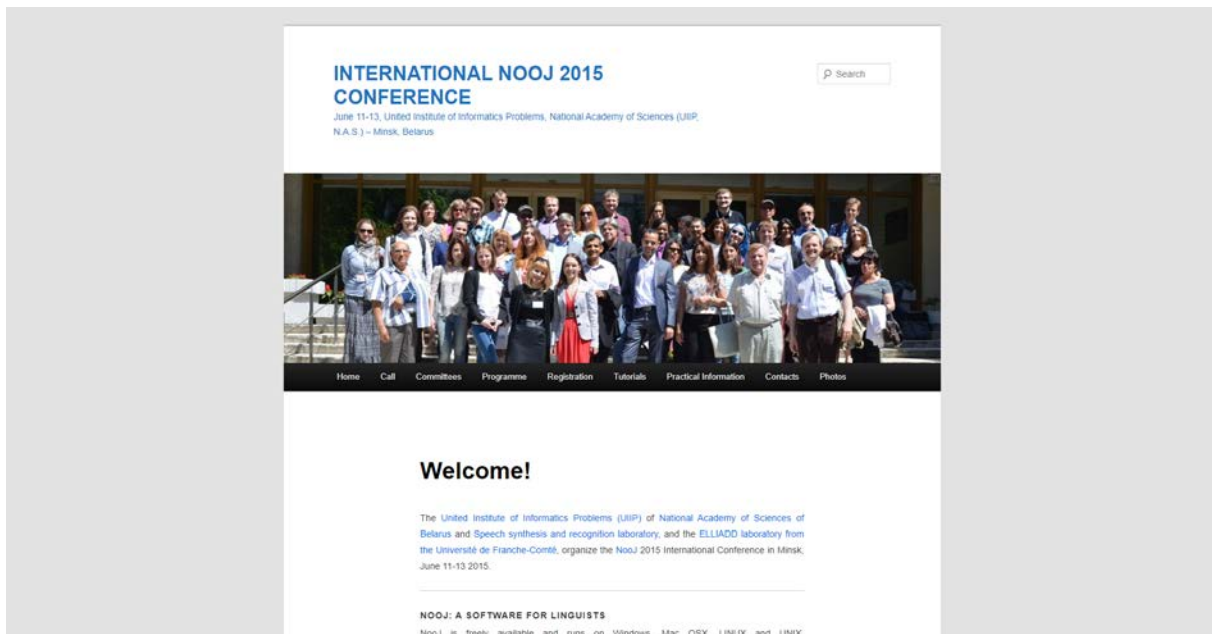
Title: International Conference on Computational Linguistics NooJ2015

Product Type: web-site

Link: <http://nooj2015.ssrilab.by>

Languages: English

Tasks: front-end, back-end, multilingual, content management, launch on a client's server, permanent support



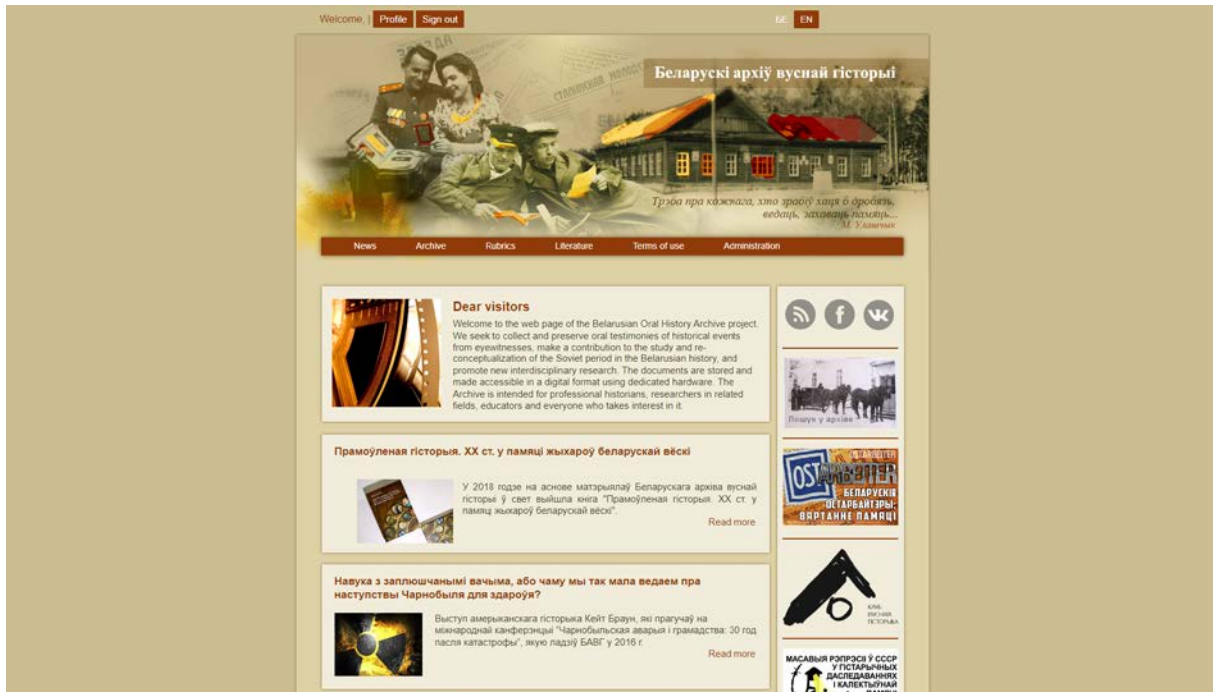
Title: Belarusian Oral History Archive

Product Type: web-site

Link: <http://www.nashapamiac.org>

Languages: Belarusian, English

Tasks: re-design of the front-end, a structure and a menu update



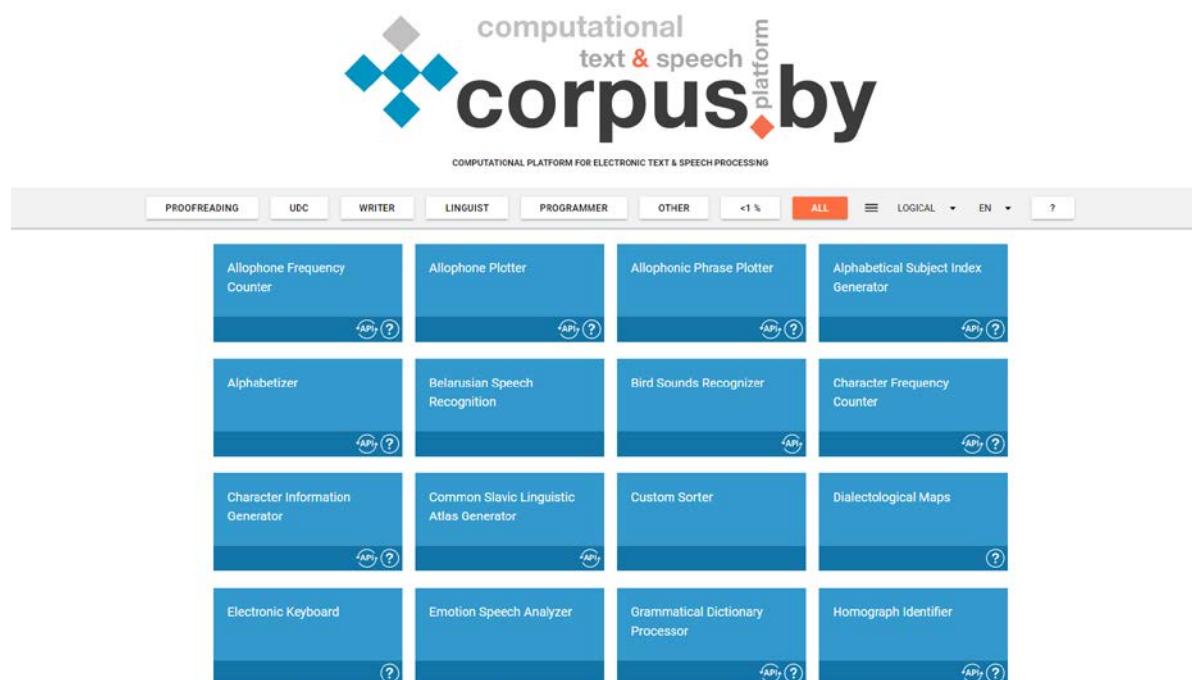
Title: Computational Platform For Electronic Text & Speech Processing

Product Type: web-site

Link: <http://corpus.by>

Languages: Belarusian, English

Works: development of the services for text, signal and speech processing with user guides; front-end, back-end, multilingual, content management, launch on a client's server, permanent support, automatic backup, development of an adaptive education scenario of computational linguistics



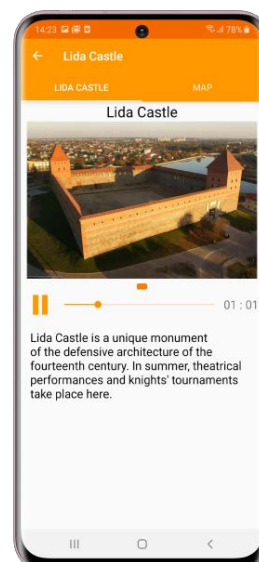
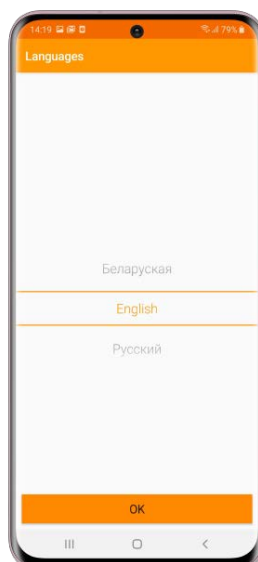
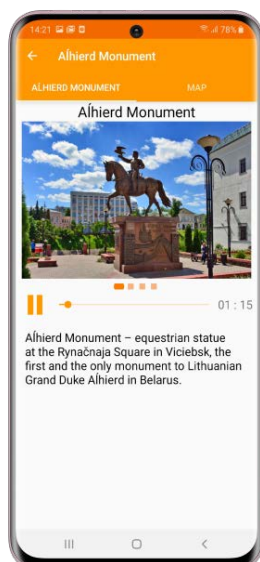
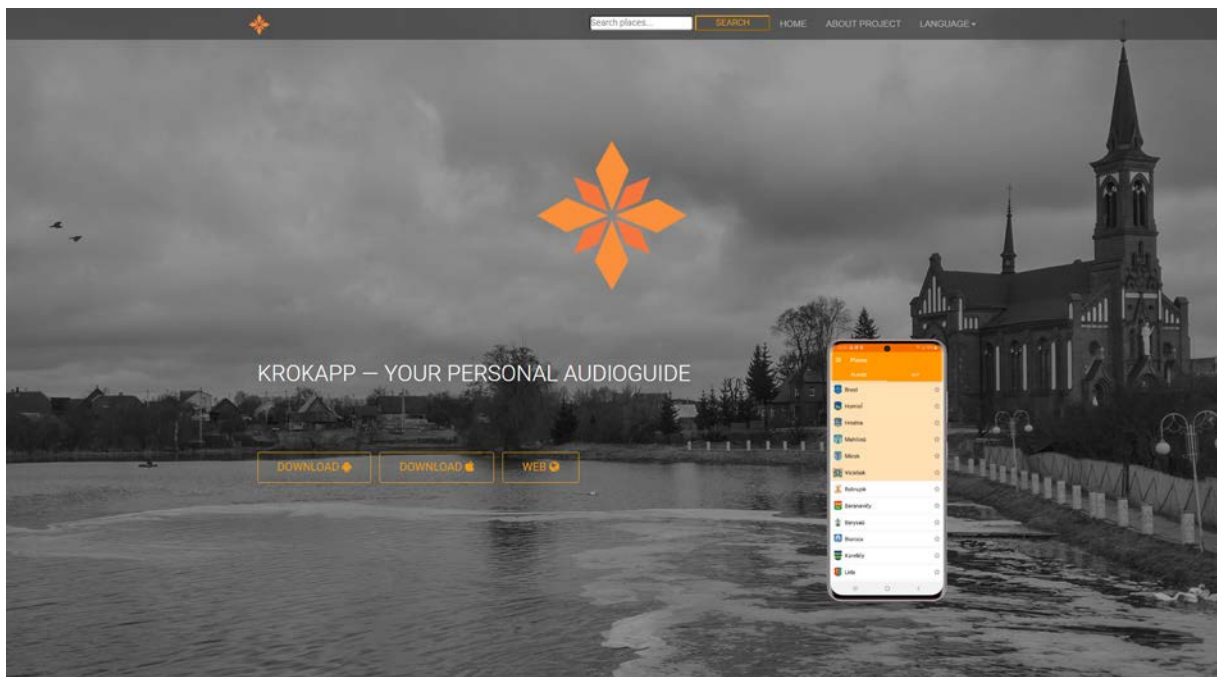
Title: Historical cultural platform «KROKAPP – custom audio guide for Belarus»

Product Type: web-site, mobile Android app

Link: <http://krokapp.by>

Languages: Belarusian, English, Russian

Tasks: front-end, back-end, development and management of multilingual content, launch on a client's server, permanent support, automatic backup; Android app development, publish in Google Play, advertisement

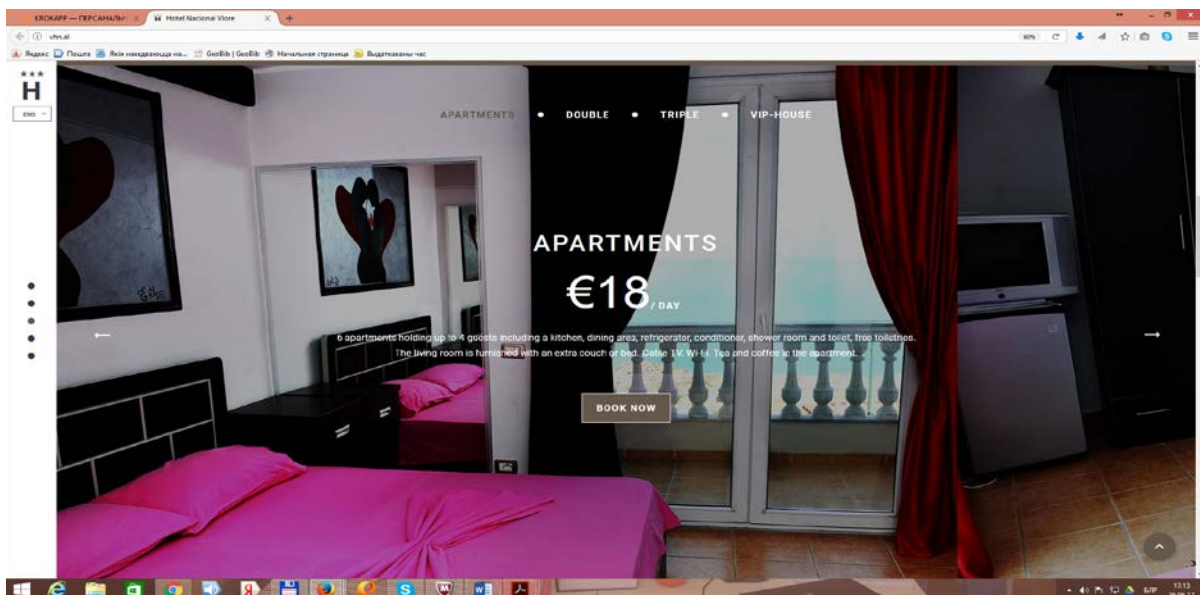
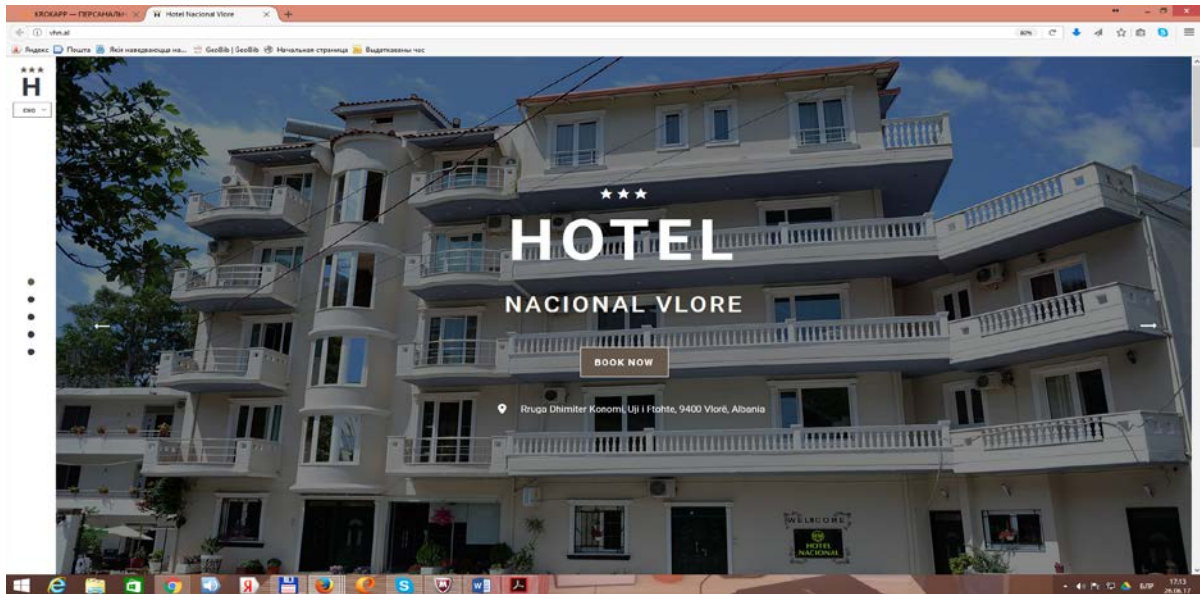


Title: HOTEL NACIONAL VLORE

Product Type: web-site

Languages: Russian, English

Tasks: front-end, back-end, multilingual, content management, launch on a client's server, permanent support



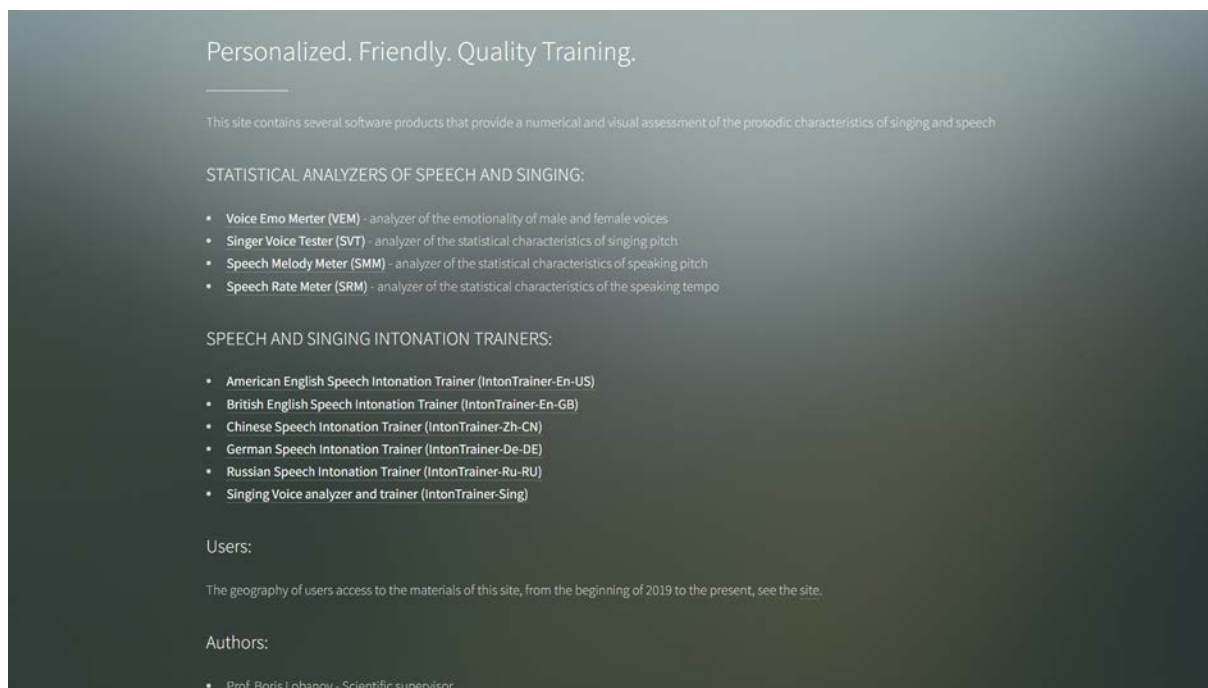
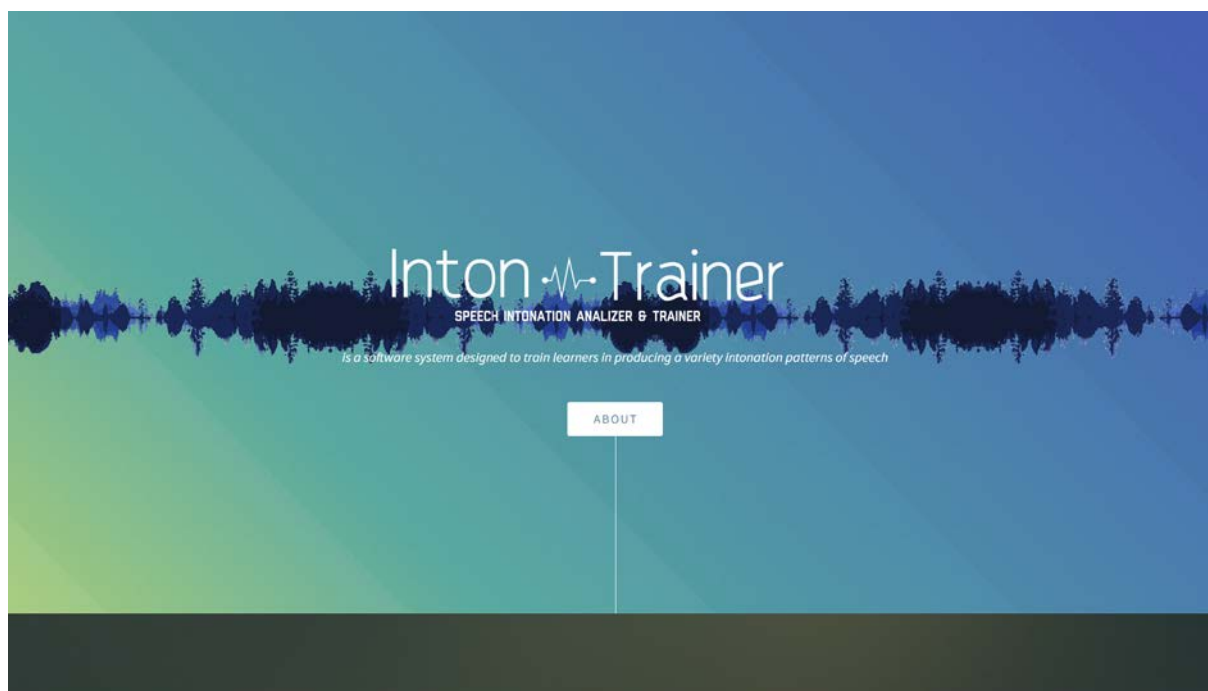
Title: “INTON TRAINER” software system to train learners in producing a variety intonation patterns of speech

Product Type: software system INTON@TRAINER, promo web-site

Link: <https://intontrainer.by/>

Languages: English, Belarusian, British English, American English, Chinese, German, Russian

Works: INTON@TRAINER development; front-end, back-end, multilingual content management, launch on a server, permanent support; user guides writing



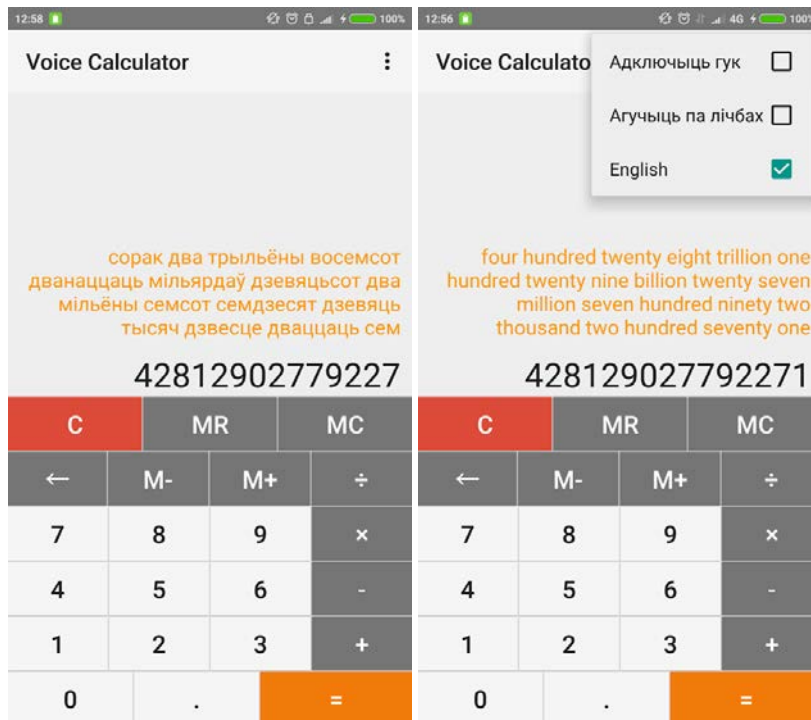
Title: Voice Calculator

Product Type: mobile application

Link: https://play.google.com/store/apps/details?id=by.ssrlab.ssrlab_calc

Languages: Belarusian, English

Works: front-end, back-end, content management, publishing on Google Play, permanent support.



Title: The audio guides of the international exhibition "Belarus and the Bible"

Product Type: web, android and ios audio guides software; 6000 A5 booklets, 202 x 85 cm banner

Link: <https://www.krokom.by/belarus-bible>






Languages: Belarusian, English, Russian

Works: web, Android and iOS audio guides software development, publication in Google Play, iTunes markets; front-end, back-end, audio recordings in 3 languages, multilingual translation and corrections, content management, permanent support, automatic backup, promotion

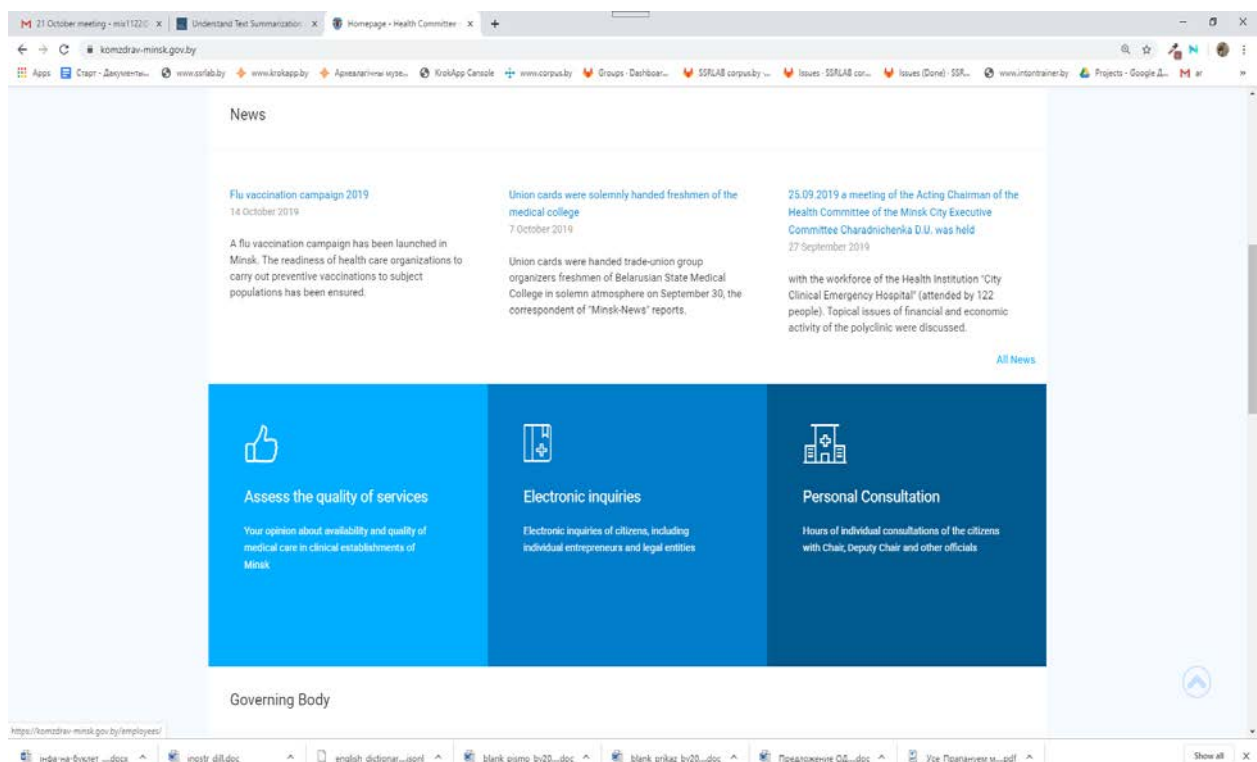
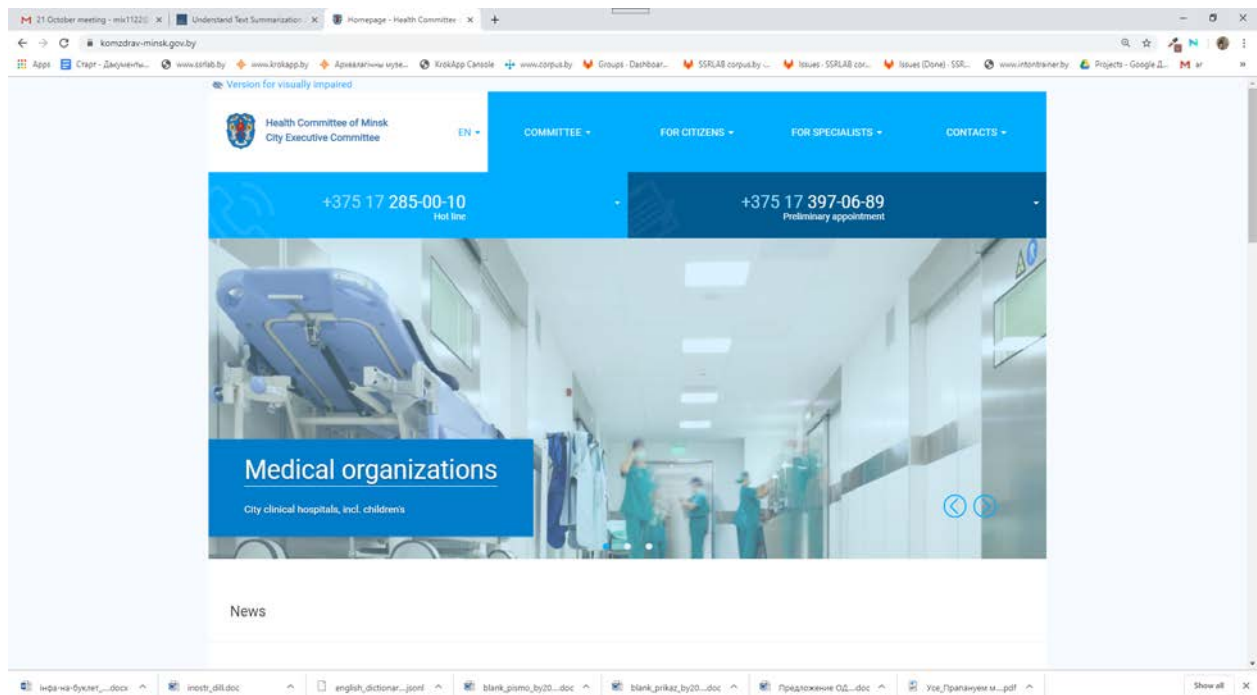


[Return to the choice of versions of the guide](#)

Online version of the audio guide for the exhibition "Belarus and the Bible"

-  **Section 1**
Biblical Backgrounds
-  **Section 2**
Dead Sea Scrolls and Related Ancient Manuscripts
-  **Section 3**
Papiri of the New Testament and Pages from Complete Bibles
-  **Section 4**
Medieval Manuscripts of the Bible
-  **Section 5**
The Bible along the Silk Road

Title: The website of the Health Committee of Minsk City Executive Committee
Product Type: web-site
Languages: Belarusian, English, Russian
Tasks: front-end, back-end, multilingual translation and corrections, content management, permanent support, structure and menu updates, automatic backup, version for visually impaired



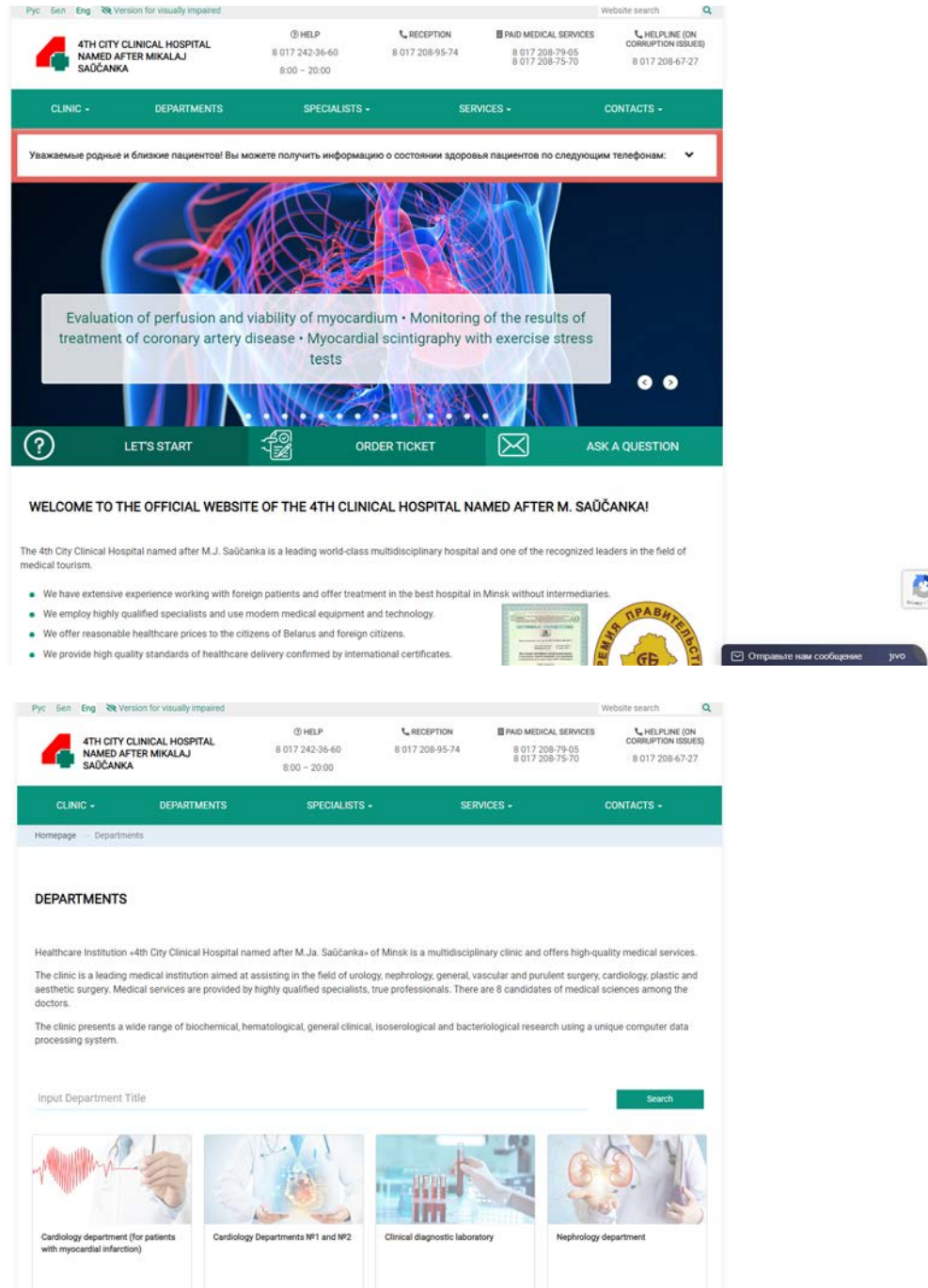
Title: The website of the 4th city clinical hospital named after Mikalaj Saŭčanka

Product Type: web-site

Link: <https://4gkb.by/>

Languages: Belarusian, English, Russian

Tasks: front-end, back-end, multilingual translation and corrections, content management, permanent support, automatic backup, version for visually impaired

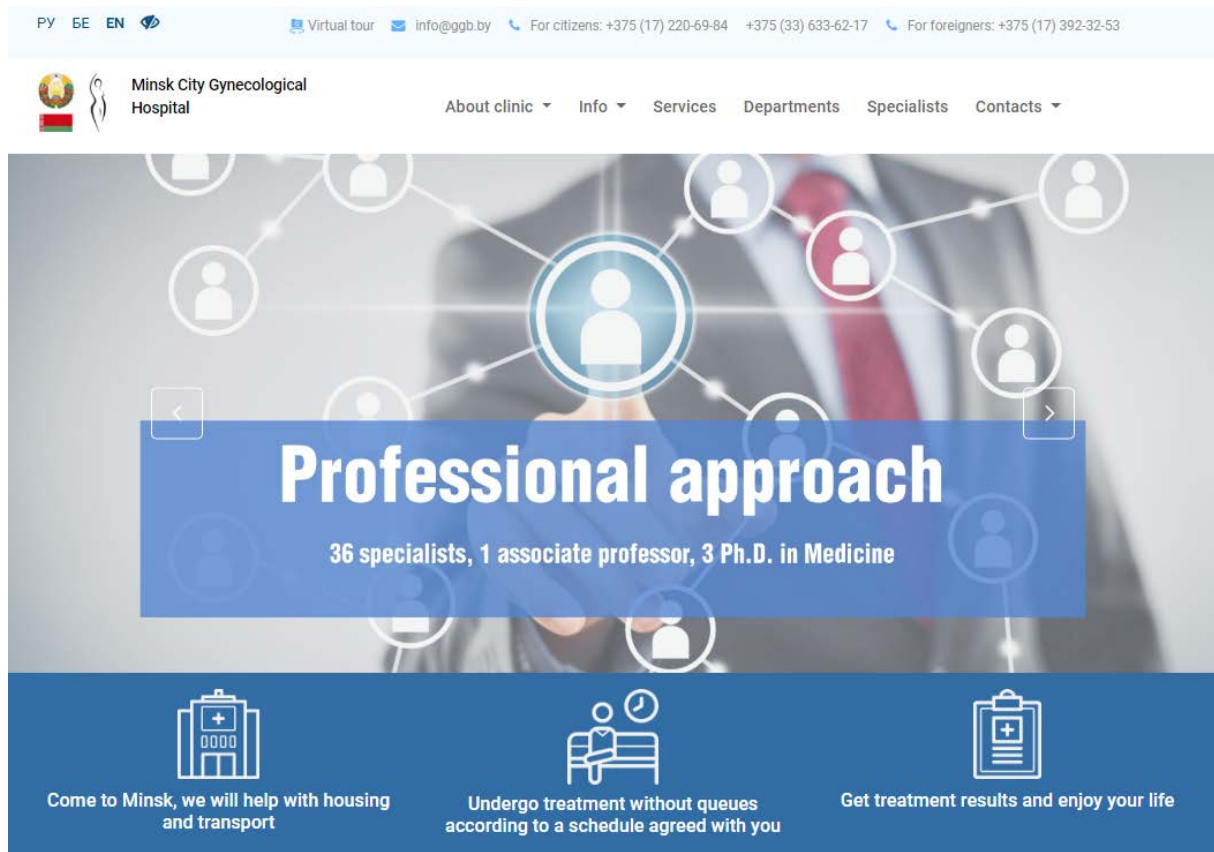


Title: The website of the Minsk City Gynecological Hospital

Product Type: web-site

Languages: Belarusian, English, Russian

Tasks: front-end, back-end, multilingual translation and corrections, content management, permanent support, structure and menu updates, automatic backup, version for visually impaired



Welcome to the website of the City Gynecological Hospital

The clinic employs 49 doctors, 1 of which is Honored Doctor of the Republic of Belarus, 3 doctors have the degree of candidate of medical sciences, 17 doctors with the highest qualification category, 18 doctors with the 1st qualification category.

The highly experienced gynecologists-endocrinologists will conduct a comprehensive examination that allows them to determine the patient's health status, to make an accurate diagnosis and to choose the right treatment tactic.

[Press-releases](#)

[For patients](#)

[Special information](#)

Title: The web-site of the Historical Workshop

Product Type: web-site

Link: <http://www.gwminsk.com/>

Languages: Belarusian/Russian, Deutch

Tasks: Improvement of the web-site software



Nachrichten | Veröffentlichungen | Bildung | Memoiren | Zeitzeugenarchiv

Achtung

Online-Bildungsseminar zum Internationalen Tag für die Befreiung von Gefangenen aus Konzentrationslagern der Nazis
09.04.2021 Nachrichten

Feldseminar "Begegnung und Dialog an Orten der Erinnerung"
30.05.2021 Nachrichten
Im Rahmen des Sozialprojekts „Regionale Dialogplattform dreier Generationen und sozialspsychologische Rehabilitation von Zeugen militärischer Ereignisse“ (Leitung **Tamara Kurdada**) fand am 28. Mai ein Feldseminar „Begegnungen und Dialog an Orten der Erinnerung“ statt.

Tage der Erinnerung und Versöhnung
08.05.2021 Nachrichten
Herzlichen Glückwunsch an alle zu einem schönen Feiertag!
Heute, am 8. Mai, feiern die meisten europäischen Länder und die Vereinigten Staaten den 75. Jahrestag des Endes des Zweiten Weltkriegs in Europa.

Online-Seminar "Verbindung der Generation mit Hilfe Multimedia und den Geschichten jüdischer Familien des 20. Jahrhunderts"
19.04.2021 Nachrichten
Vom 8. bis 10. April veranstaltete die Geschichtswerkstatt in Zusammenarbeit mit unseren Projektpartnern, der öffentlichen Organisation „Jüdische kulturelle Autonomie“ in St. Petersburg, ein gemeinsames Online-Seminar „Verbindung der Generationen mit Hilfe von Multimedia und den Geschichten jüdischer Familien des 20. Jahrhunderts“, die jüdische gemeinnützige öffentliche Organisation „Eva“ in St.

Internationaler Tag für die Befreiung der Gefangenen des Konzentrationslagers der Nazis



Neu hinzugefügt

Nathan Emil
Gruppe: Russisch Verfolgte (Jude/Jidin)
Lager und Einsatzort: -

Cora Berliner
Gruppe: Russisch Verfolgte (Jude/Jidin)
Lager und Einsatzort: Vermutlich Malye Trostinez

Marx Kurt

Willkommen im Zeitzeugenarchiv der Minsker Geschichtswerkstatt

Gesamte Sammlung | **Berliner Sammlung** | **Minsker Sammlung**

Hamburger Sammlung | **Düsseldorfer Sammlung** | **Kölnener Sammlung**

Tschechische Sammlung | **Wiener Sammlung** | **Sammlung Ozarichi**

Gerechte unter den Völkern | **Zwangsarbeiter**

Audio-, Video- und Textmaterial für Lehrer, Holocaust in Belarus, Todeslager Trostenez.

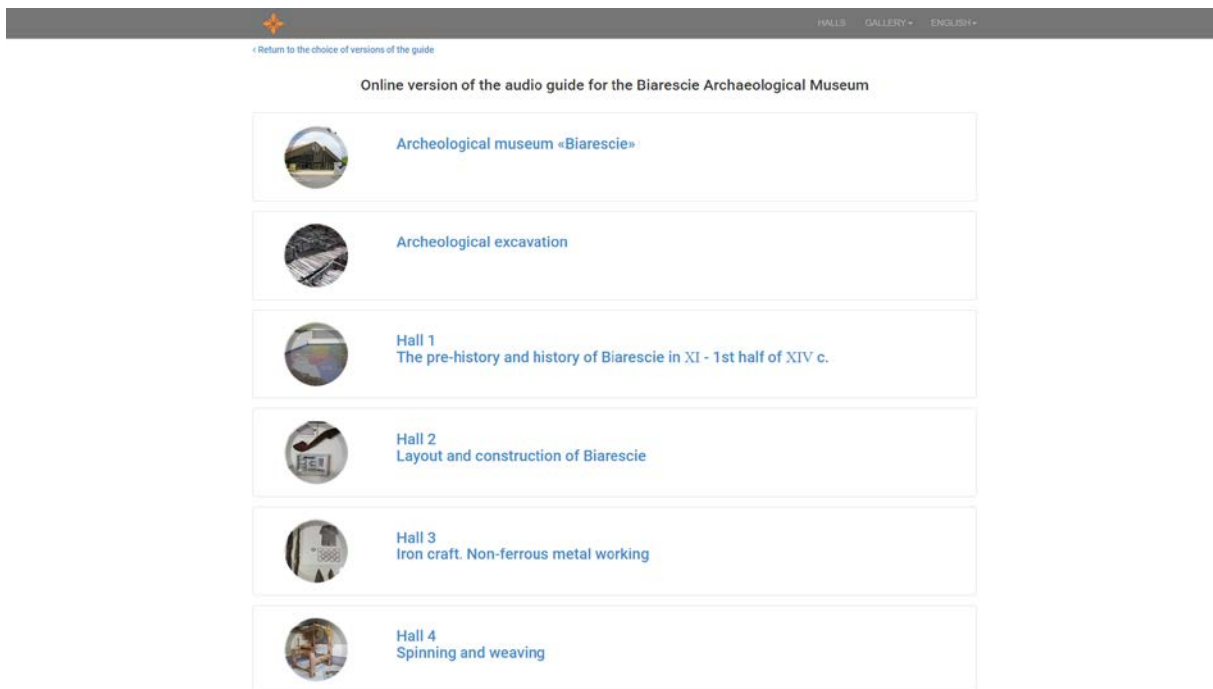
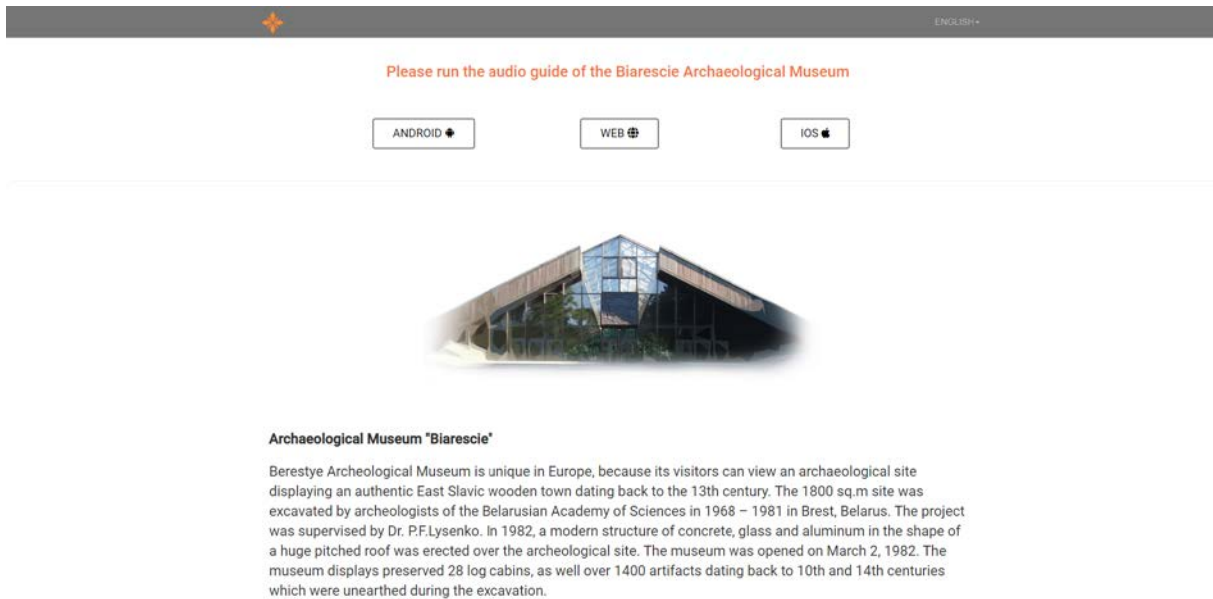
Title: Audioguides for the archaeological museum «Biarescie»

Product Type: website, Android & iOS programs; 1000 2-language euroflyers, 202 x 85 cm Velcom banner, set of stickers with QR codes

Link: <https://www.krokam.com/biarescie>

Languages: Belarusian, English, Russian, Polish, Chinese

Tasks: development of the interface and server parts, audio recordings of 5 language versions, multilingual translation and editing, location and content management, constant support, creating backups, advertising and promotion



Title: CLARIN Knowledge Centre for Belarusian text and speech processing

Product Type: website

Link: <https://clarin-belarus.corpus.by/>

Languages: English

Tasks: development of the interface and server parts, location and content management

The screenshot shows the homepage of the CLARIN Knowledge Centre for Belarusian text and speech processing. The header features the CLARIN K CENTRE logo and navigation links: Home, Services, Materials, News, Contact, and a search icon. The main content area includes a welcome message, a paragraph about the centre's base at the Speech Synthesis and Recognition Laboratory, and links to services and materials. A 'Certificate of Recognition' from CLARIN is displayed on the right. The footer contains the copyright notice: © CLARIN Knowledge Centre for Belarusian text and speech processing, 2020.

The screenshot shows the 'News' section of the website. It features four news items, each with a title, date, and a brief description with a 'Read More' link:

- Grammatical Dictionary Processor is provided for CLARIN VLO!**
31/01/2022
Grammatical Dictionary Processor is provided for the CLARIN VLO. The service allows the user to receive previously loaded and converted to the required format lexicographic data of the grammar dictionary... [Read More](#)
- Voice Activity Detector is provided for CLARIN VLO!**
31/01/2022
The Voice Activity Detector is provided for the CLARIN VLO. The "Voice Activity Detector" service allows users to receive a detailed analysis of the audio recording to identify periods of... [Read More](#)
- Allophone Plotter is provided for CLARIN VLO!**
30/10/2020
Allophone Plotter is provided for the CLARIN VLO. The seallows to display separate allophones in two graphic forms: oscillogram (audio amplitude vs. time plot) and spectrogram (plot of audio amplitude... [Read More](#)
- Allophone Frequency Counter is provided for CLARIN VLO!**
16/10/2020
Allophone Frequency Counter is provided for the CLARIN VLO. The service is intended for a specific professional range of users who are engaged in the process of improving the Text-to-Speech... [Read More](#)

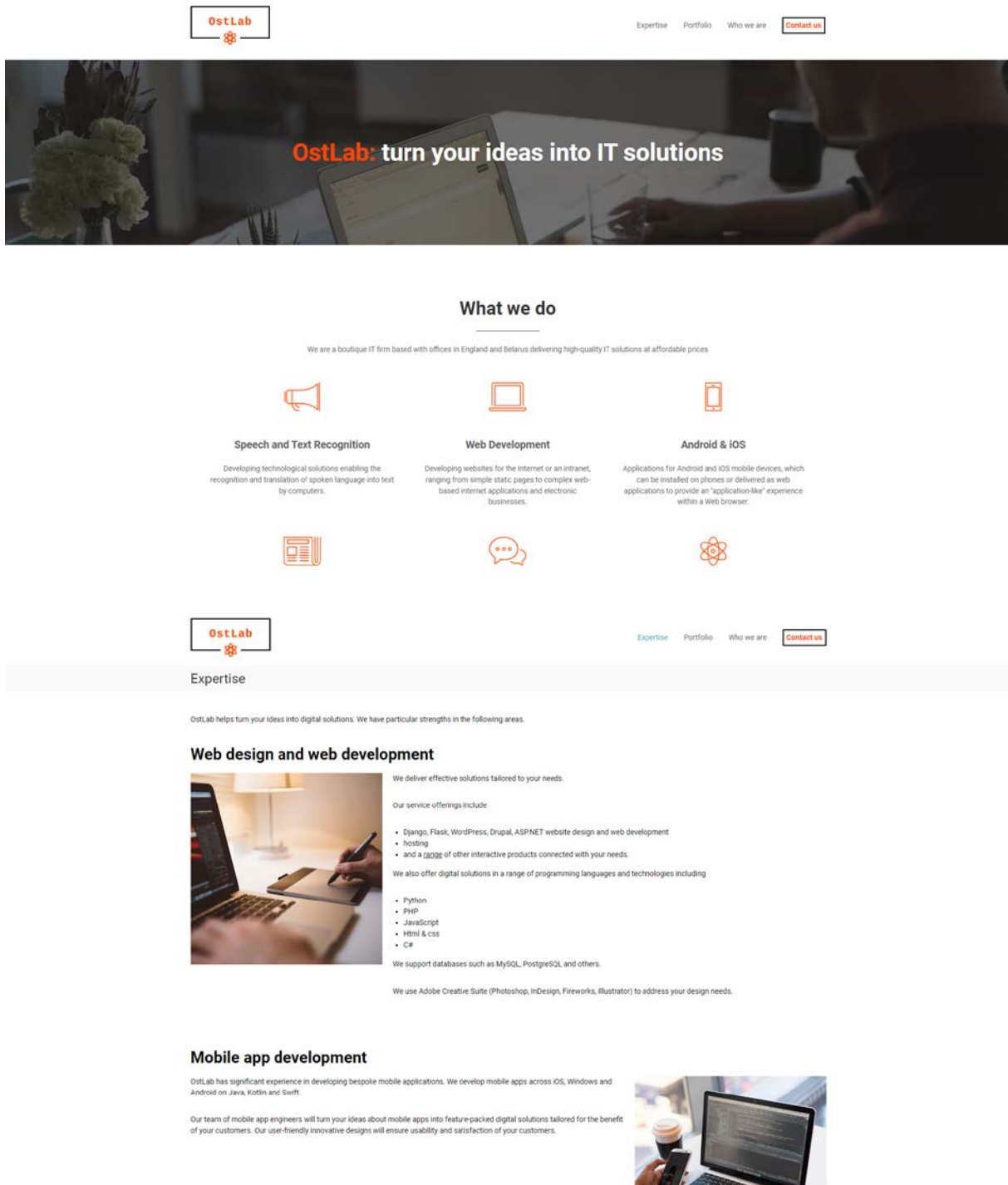
Title: OstLab

Product Type: web-site

Link: <https://ostlab.uk/>

Languages: English

Tasks: development of the interface and server parts, location and content management



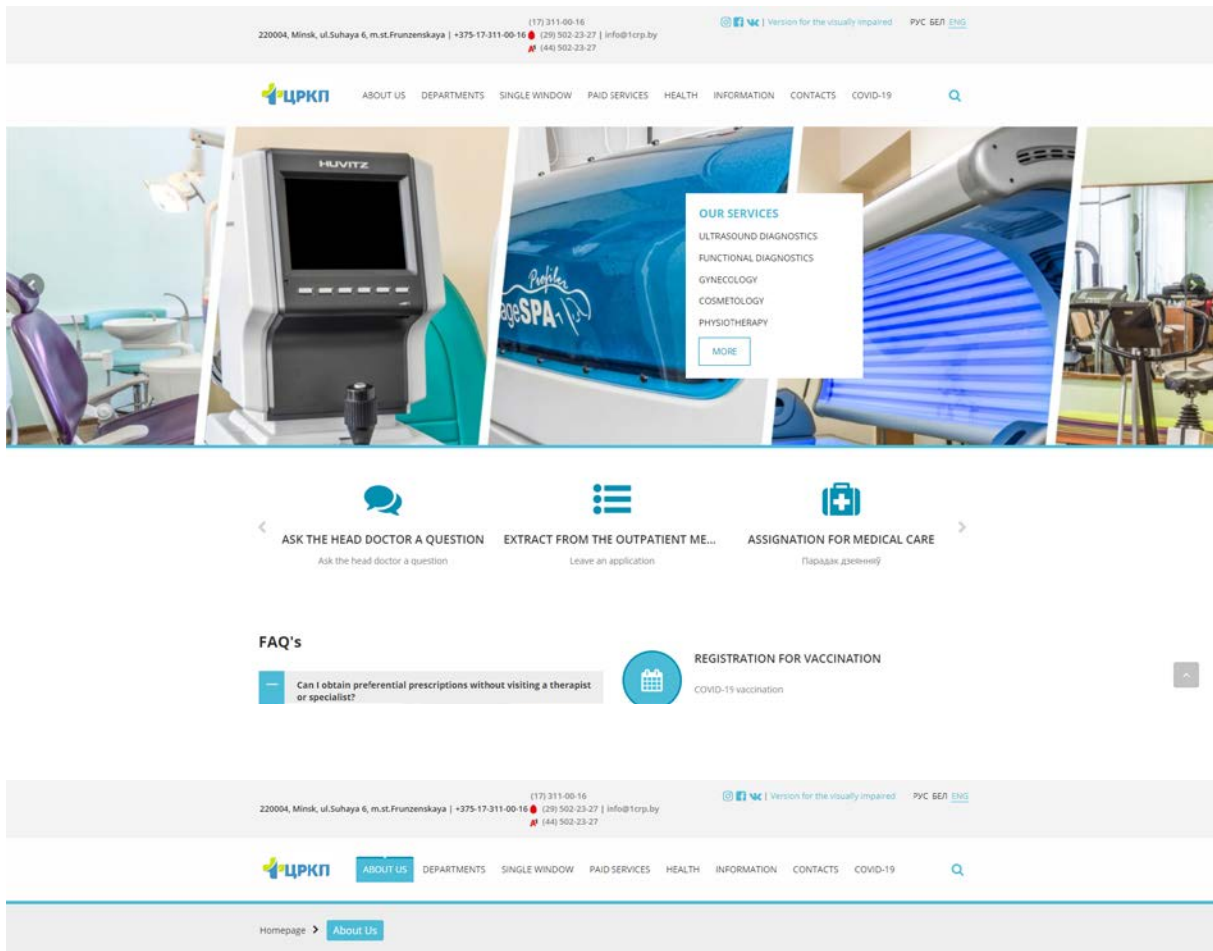
Title: 1st Central district clinical polyclinic of the Centralny district of Minsk

Product Type: web-site

Link: <https://1crp.by/>

Languages: English, Belarusian, Russian

Tasks: multilingual translation and corrections, content management, permanent support, automatic backup, version for visually impaired



About Us

The healthcare institution "1st Central district clinical polyclinic of the Centralny district of Minsk" has been operating since 1982.

On December 23, 2004, the polyclinic was given the status of "central district polyclinic" in the Centralny district of Minsk being assigned the functions of the district health department. The relevant services and specialists of the polyclinic ensure work coordination for the outpatient polyclinic healthcare institutions of the district, methodological support in various areas of their activities and interact with the services of the Centralny district administration.

Today the healthcare institution "1st Central district clinical polyclinic of the Centralny district of Minsk" is a modern multidisciplinary outpatient polyclinic with a design capacity of 750 visits per shift and an amount of the servicing population of over 42 thousand people.

The structure of the polyclinic includes:
12 departments, including 3 therapeutic departments, a surgical department, women's consultation, a prevention department, a medical rehabilitation department, a day care department (18 beds, works in 3 shifts), an ultrasound department, a clinical diagnostic laboratory, a centralized sterilization department.

Outpatient reception cabinets: functional diagnostics cabinet, X-ray cabinet, ophthalmological, otorhinolaryngological, infectious, endocrinological, neurological, dental, medical statistics cabinets.

There are centers of collective use for residents of the Centralny district of Minsk on the basis of the polyclinic:

- district endoscopy center;
- district rheumatology cabinet;
- district gastroenterology cabinet;
- district anti-rabies cabinet.

The department of polyclinic therapy of the state educational institution "Belarusian state medical university" operates on the basis of the polyclinic.

The polyclinic has modern technological and medical equipment that meets modern requirements. This allows performing all the main diagnostic techniques (electrocardiography, Holter monitoring, 24-hour blood pressure monitoring, echocardiography, Doppler ultrasound and duplex scanning of brachiocephalic and peripheral vessels, rheovasography, ultrasound examinations



Phone/fax (reception):
+375 (17) 200-18-96

Help desk phone number:
+375 (17)311-00-16 (multichannel)

Home call:
+375 (17) 200-76-09 (multichannel)

Phone for receiving and transmitting messages (making an appointment with a doctor/home call for people with hearing impairments)
+375 (29) 390-10-07

Hotline phone:
+375 (17) 200-88-56
Working hours: 08:00 - 20:00 (Sunday is a day off)

Trust line:
+375 (17) 200-68-76
Working hours: around the clock, in the answering machine mode.

Paid medical services:
+375 (17) 200-64-40
Cash register hours (reception 1st window): 8:00-20:00.
Service break: 14:00 - 14:15
day off: Sunday.

Dental care for the population is

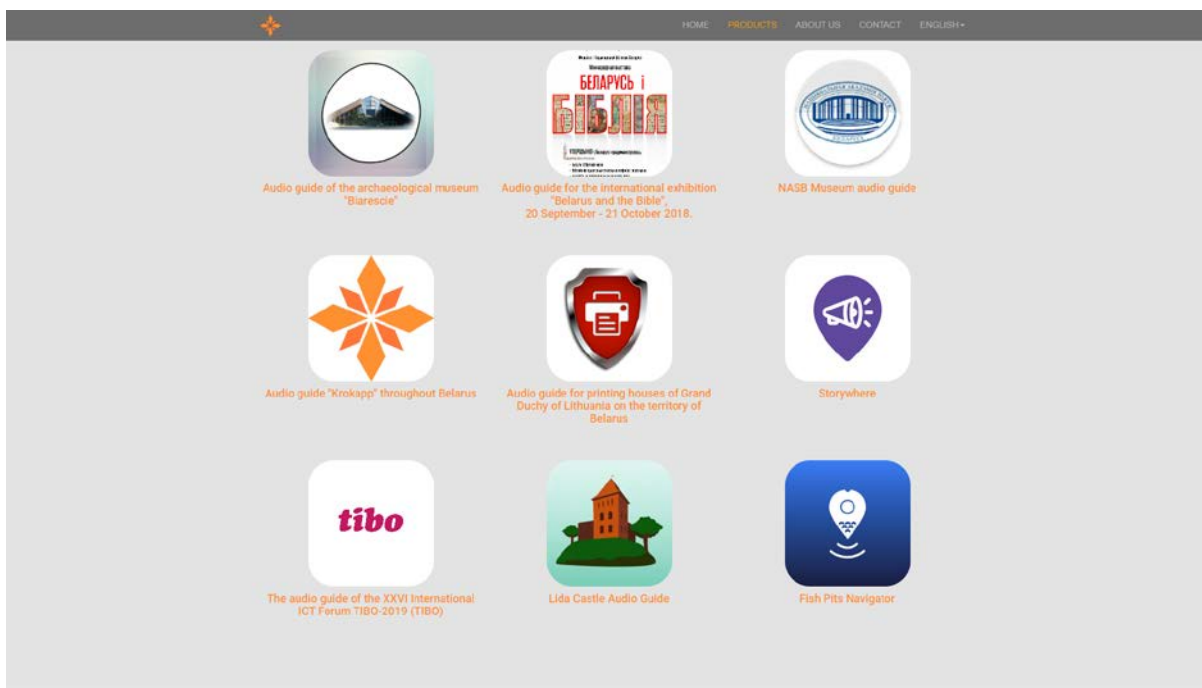
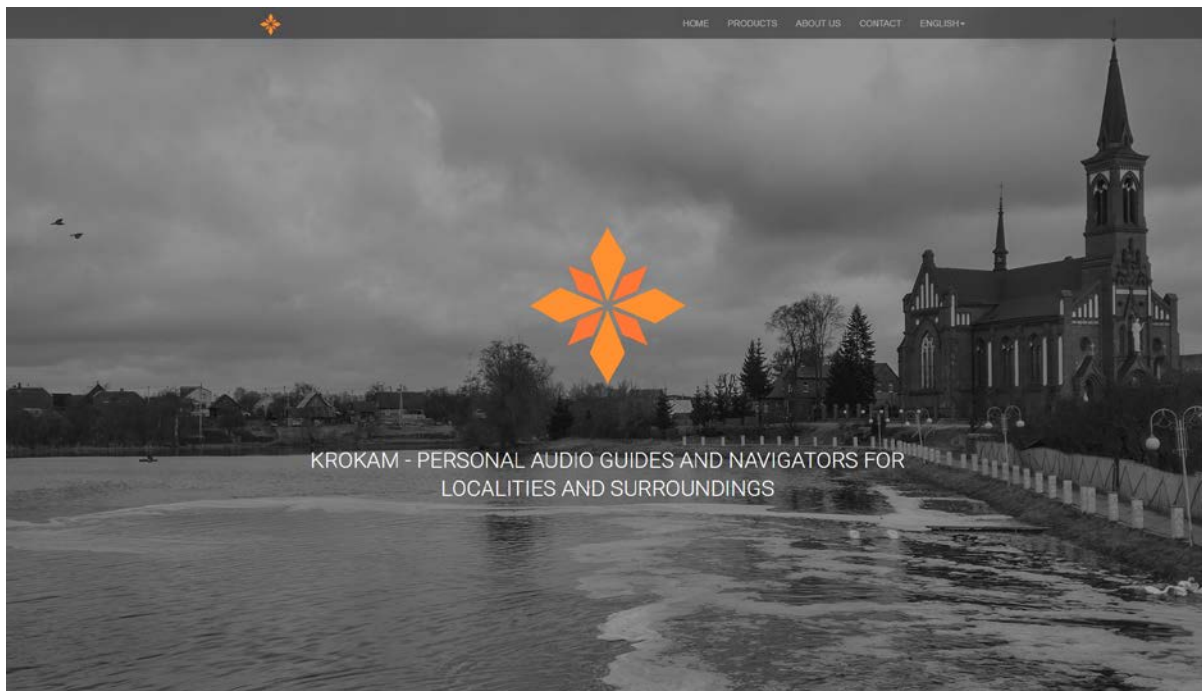
Title: Historical cultural platform «KROKAM» — personal audio guides and navigators for localities and surroundings

Product Type: web-site, mobile Android and iOS app

Link: <https://www.krokam.com/>

Languages: Belarusian, English, Russian

Tasks: front-end, back-end, development and management of multilingual content, launch on a client's server, permanent support, automatic backup; Android and iOS



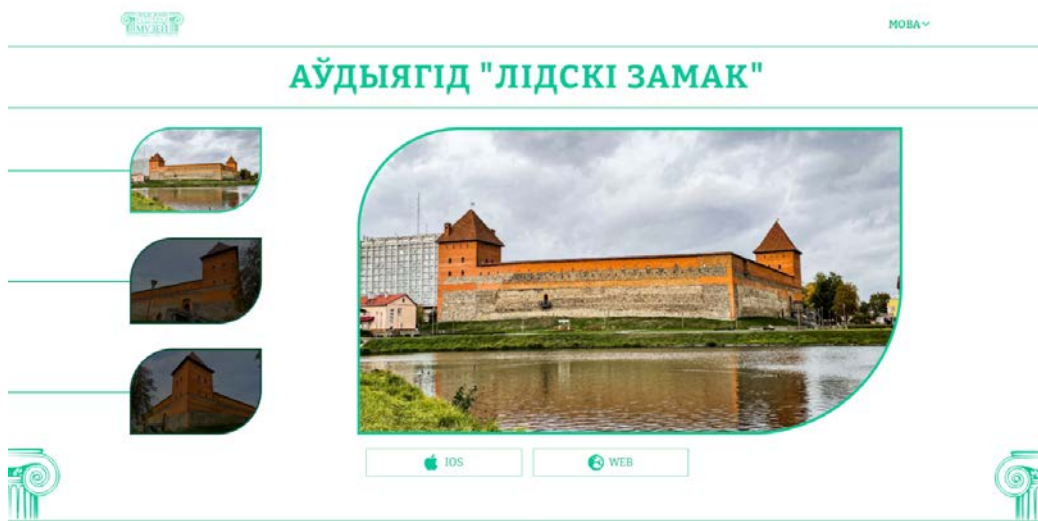
Title: Audio guide to the object "Lida Castle"

Product type: website, mobile app for iOS

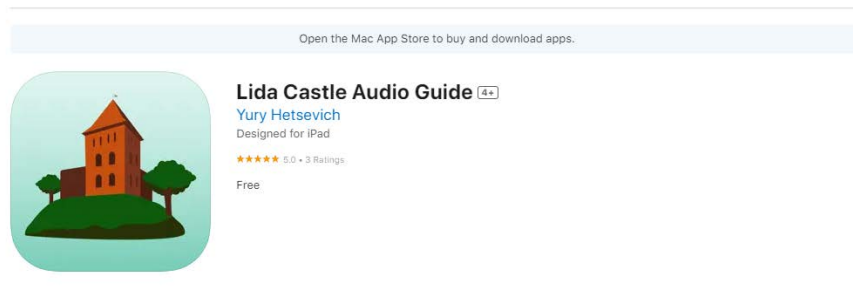
Link: <https://lida-zamak.krokom.by/>

Languages: Belarusian

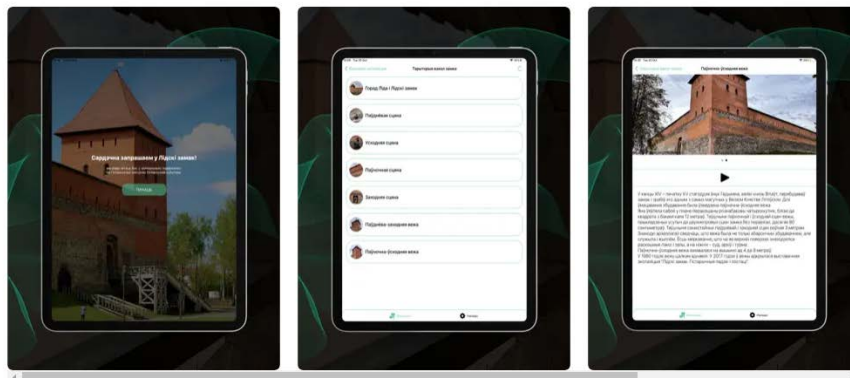
Tasks: design (front-end), software implementation of the Web platform (back-end), content verification, launch on the client's server, support, automatic backup of program code and data, QR codes creation for exhibits, software implementation of a mobile application for iOS, publication in AppStore.



App Store Preview



Screenshots iPad iPhone



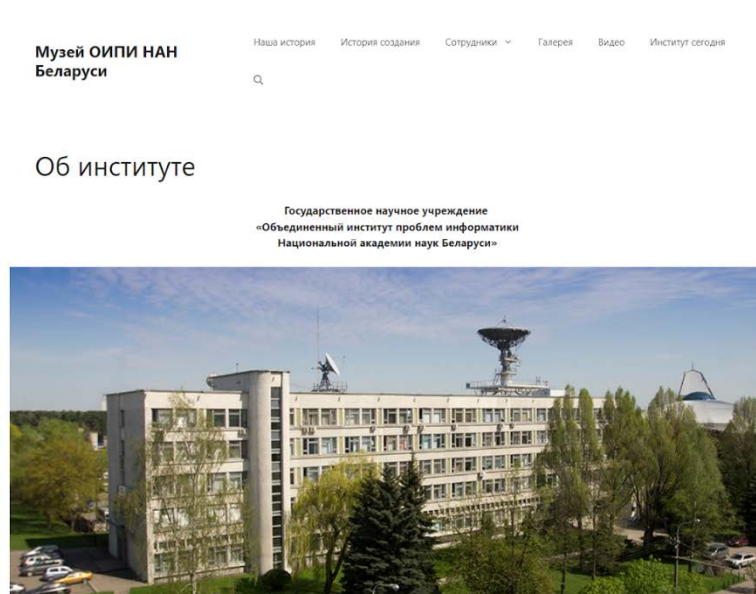
Title: Museum of the UIIP of the National Academy of Sciences of Belarus

Product Type: web-site

Link: <https://museum.uiip.by/>

Languages: Russian

Tasks: development of interface and server parts, deployment and content management, launch on the client's server, support, automatic backup of program code and data.



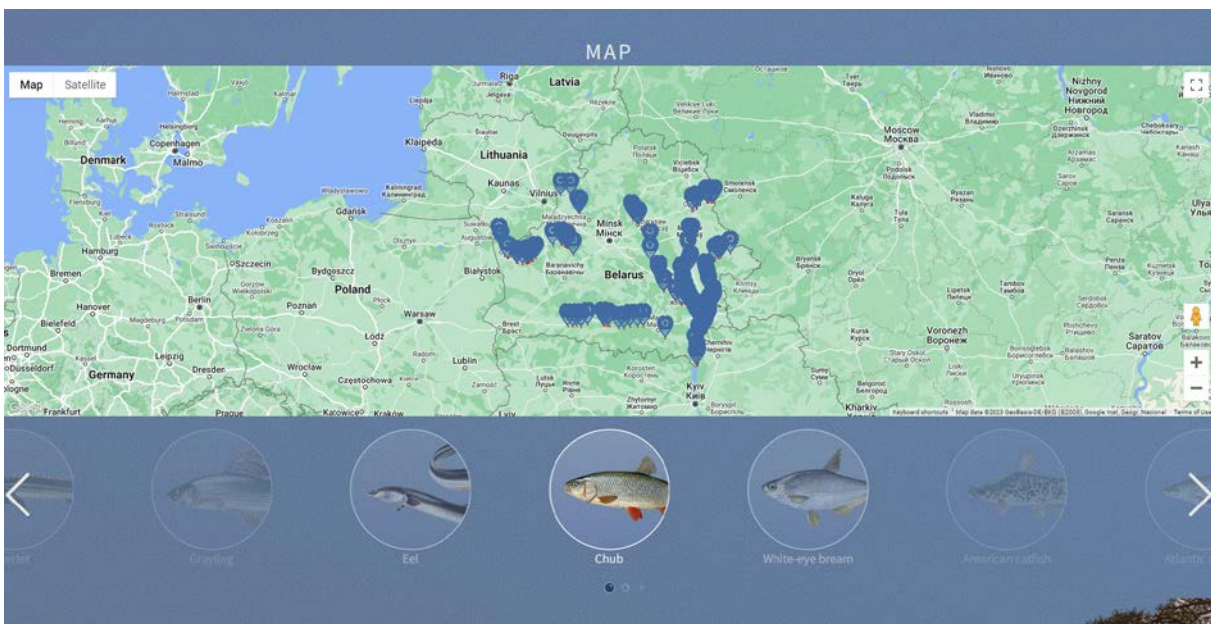
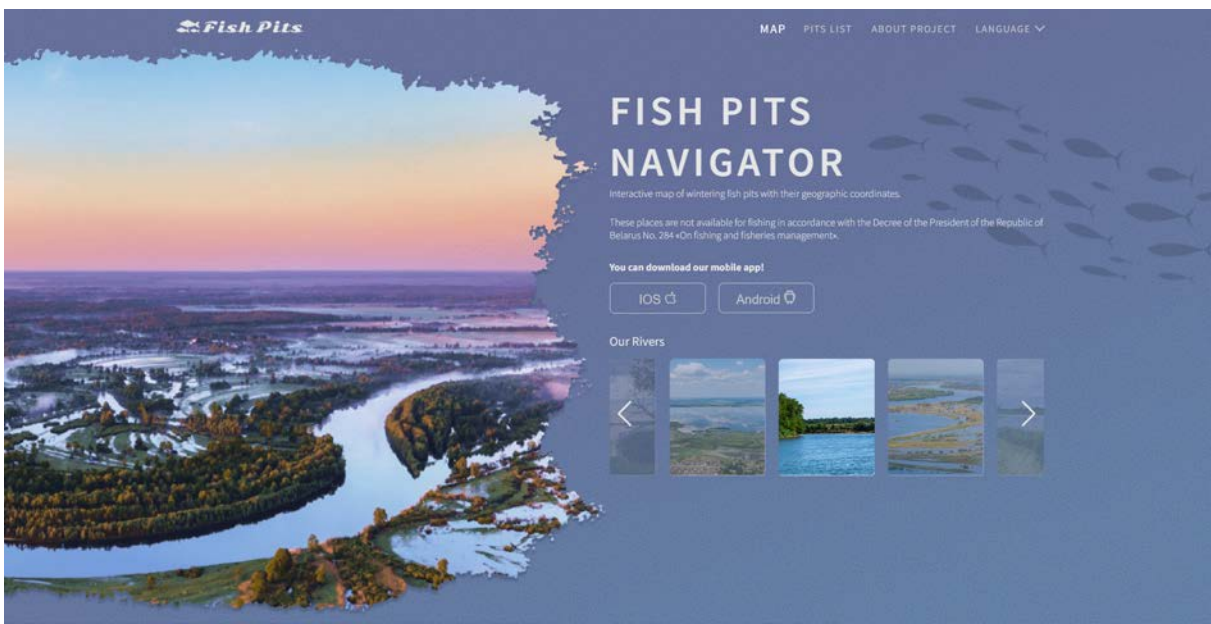
Title: Navigator on fish wintering pits “Fish Pits”

Product Type: website, mobile iOS app

Link: <https://fish-pits.krokom.by/#>

Languages: Belarusian, English, Russian

Tasks: design (front-end), software implementation (back-end), development and management of multilingual content, launch on the client’s server, permanent support, automatic backup of program code and data (automatic backup), software implementation of mobile applications for iOS and Android, publication in the AppStore and Google Play.



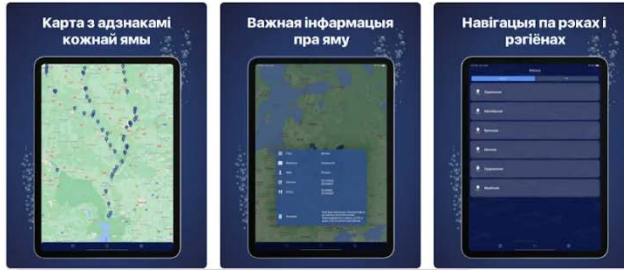
App Store Preview

Open the Mac App Store to buy and download apps.



Fish Pits Navigator 
Yury Hetsevich
Designed for iPad
★★★★★ 5.0 • 1 Rating
Free

Screenshots [iPad](#) [iPhone](#)



Fish Pits Navigator

Крокам LLC

10+
Количество скачиваний



3+

Установить

Добавить в список желаний

У вас нет устройств.



Связь с разработчиком

Крокам LLC: другие приложения

Берестье

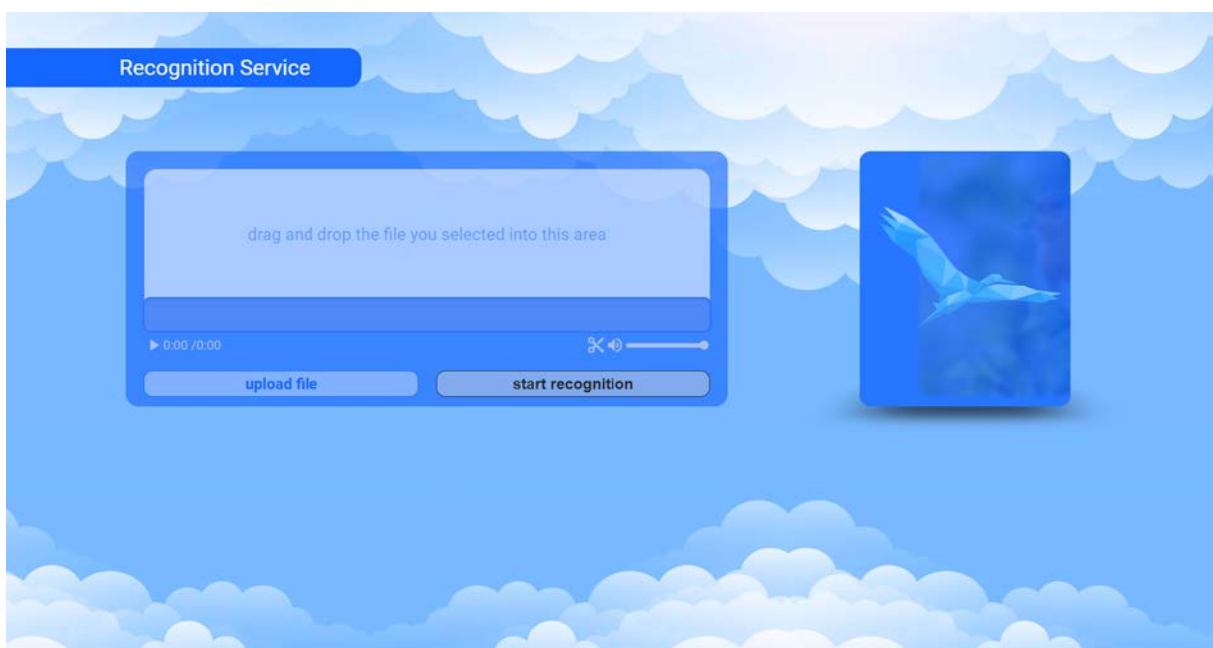
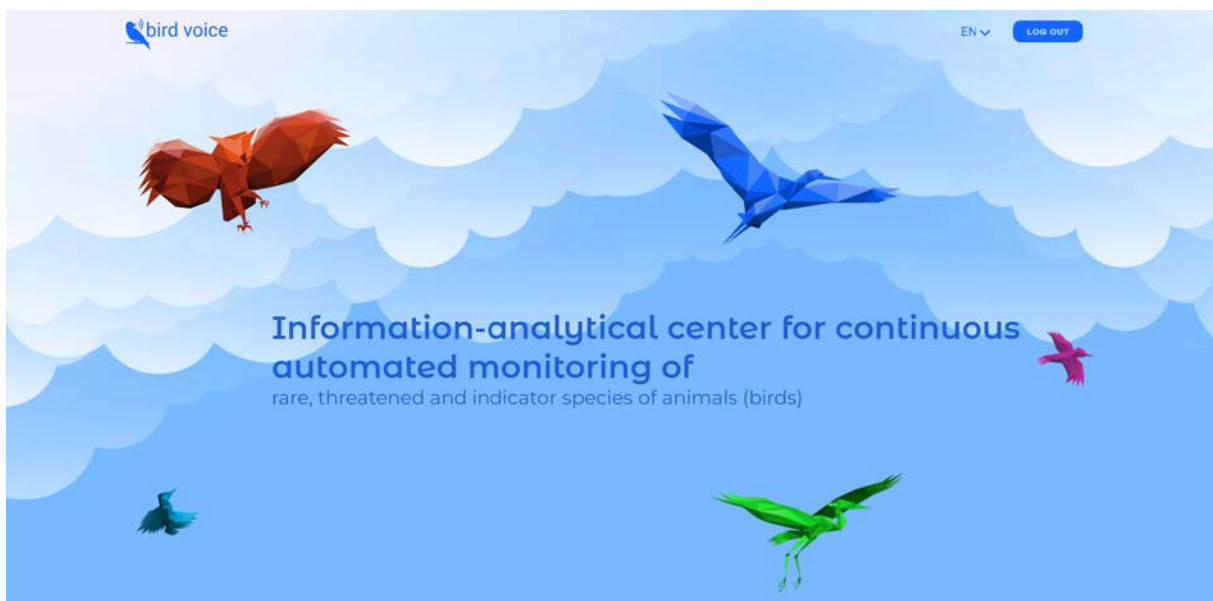
Title: Informational and Analytical Center for permanent automated monitoring

Product Type: website

Link: <https://bird-voice-iac.ssrlab.by/>

Languages: Belarusian

Tasks: design (front-end), software implementation (back-end), automatic backup of program code and data (automatic backup), 2 models of bird voice recognition have been developed.



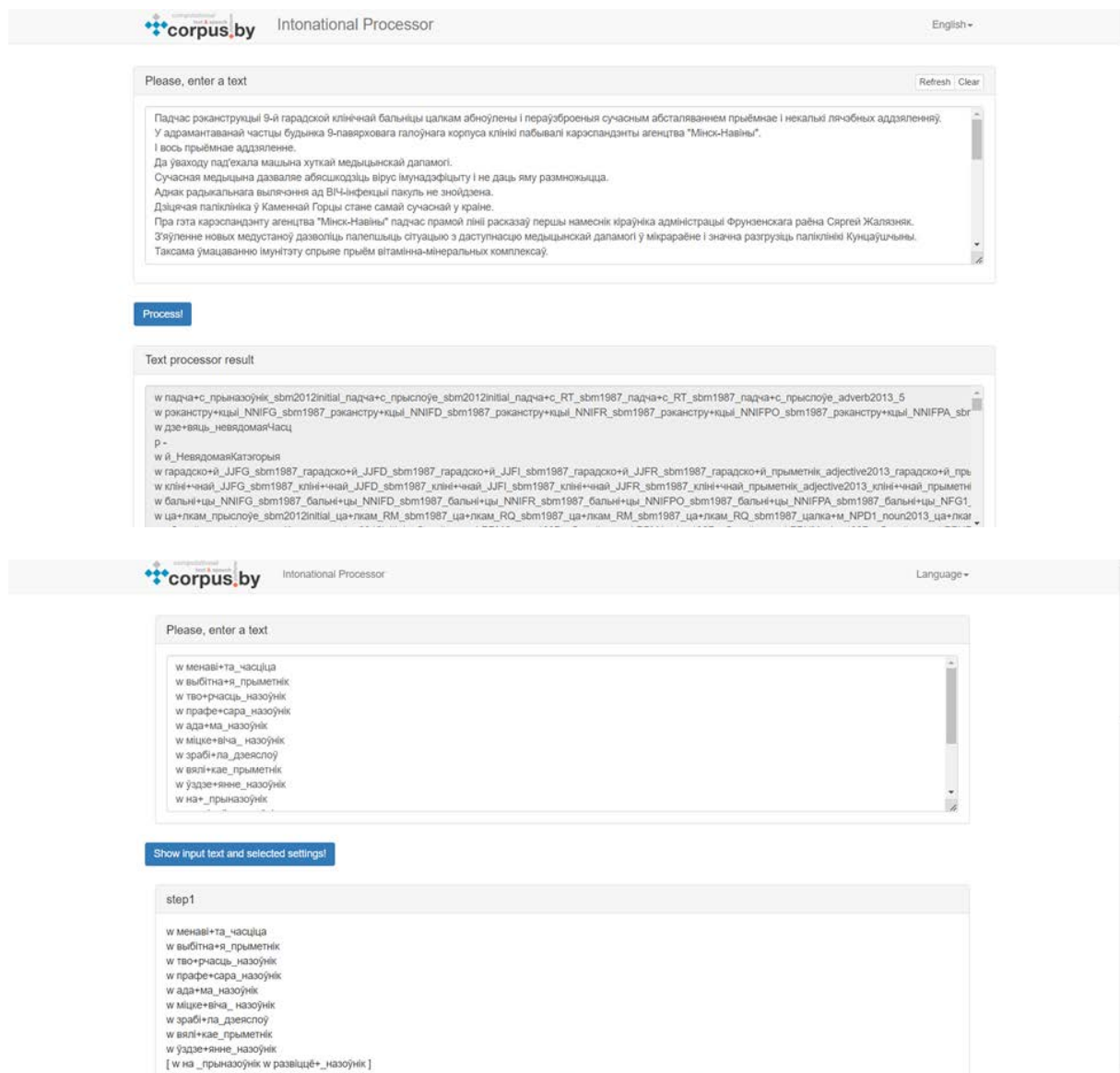
Title: Development of methods and algorithms for prosodic speech markup

Product Type: application in web version

Link: <https://corpus.by/IntonationalProcessor/?lang=be>,
<https://corpus.by/IntonationProcessorPy/?lang=be>

Languages: English, Belarussian

Tasks: We developed algorithms for extracting prosodic characteristics of textual information (intonation portraits) and their syntagmatic delimitation for artificial speaking, further improvement of automatic systems for analysis and synthesis of Belarusian literary speech. These algorithms allowed automating the tagging of text information and formed the basis for creating services with a multilingual interface "Intonational processor" and "Intonational processor Py", defining punctuation and lexical syntagmas at a high level.



Title: Navuchency

Product type: educational courses for universities; scientific achievements of students; website (CLARIN).

Link: <https://ssrlab.by/navucency>, <https://clarin-belarus.corpus.by/>

Languages: English, Russian.

Tasks: Currently, several educational courses are taught for the following universities: BSU, MSLU, BSUIR. As part of the cooperation with the branch of the Department of Computational Linguistics and Linguodidactics within the Faculty of Socio-Cultural Communications at BSU, joint coursework, diplomas, and master's degrees, pre-graduate production practices and work in the framework of scientific research on speech recognition and synthesis have been organized on the basis of the Speech Recognition and Synthesis Laboratory of the UIIP of the National Academy of Sciences of Belarus. Recommendations for improving the speech synthesis system for legal texts have been developed. International cooperation with the international organization CLARIN has been organized.

Тэарытычныя і практычныя курсы для ВНУ (2020-2022)

- БДУ, факультэт сацыякультурных камунікацый
 - Праблемы штучнага інтэлекту (Гецэвіч Ю.С. к.т.н., дацэнт, Зяноўка Я.С.)
 - Камп'ютэрныя тэхналогіі ў лінгвістыцы (Гецэвіч Ю.С. к.т.н., дацэнт, Зяноўка Я.С.)
 - Аналіз і сінтэз маўлення (Гецэвіч Ю.С. к.т.н., дацэнт, Зяноўка Я.С.)
 - Камп'ютарная лінгвістыка (Варановіч В.В.)
 - Квантытатыўная лінгвістыка (Варановіч В.В.)
 - Машынны пераклад (Варановіч В.В.)
- МДЛУ
 - Уводзіны у мовазнаўства (М. В. Супрунчук, к. ф. н., дацэнт)
 - Руская мова і культура маўлення (М. В. Супрунчук, к. ф. н., дацэнт)
- БДУІР, факультэт інфармацыйных тэхналогій і кіравання
 - (В.А. Захар'еў, к.т.н., дацэнт)



Хатняя > Навучэнцы і навуковыя праекты

EMAIL ПАДПІСКА

Ваш email

ПАДПІСАЦА

Search

Навучэнцы і навуковыя праекты

У гэтым раздзеле Вы можаце пабачыць:

- спісы тэм і навуковых праектаў для курсавых, перадыдипломных практык, дыпламаў, магістарскіх і аспіранцкіх прац (спасылка)
- агляд пытанняў пра навуку і навуковы праект
- абмеркаванне навуковых тэм і праектаў

Калі ў Вас ёсць жаданне далучыцца да навучання і навуковых праектаў, тады запрашаем запоўніць дадзеныя ў такім простым **фармаце** і выслать іх нам на **пошту**.



Clarín Knowledge Centre for
Belarusian text and speech
processing

Home Services Materials News Contact Q

Welcome to the CLARIN Knowledge Centre for Belarusian text and speech processing!

The CLARIN Knowledge Centre for Belarusian text and speech processing (K-BLP) is based at the [Speech Synthesis and Recognition Laboratory](#), the [United Institute of Informatics Problems](#) of the [National Academy of Sciences of Belarus](#), Minsk. The CLARIN Knowledge Centre for Belarusian text and speech processing is part of the [CLARIN ERIC](#), which holds the European [ESFRI-European Strategy Forum on Research Infrastructures certification](#) as a [landmark research infrastructure](#).

The Centre provides users knowledge for text, speech and other data processing for languages, especially for the Belarusian language. Our main target audience is researchers and enthusiasts in humanities and digital humanities with an interest in different aspects of linguistics and computational processing of language, please visit the [Services](#) and the [Materials](#) pages.

We offer a wide-ranging user support, guidelines and instructions for each service and material, please visit [Contacts](#).



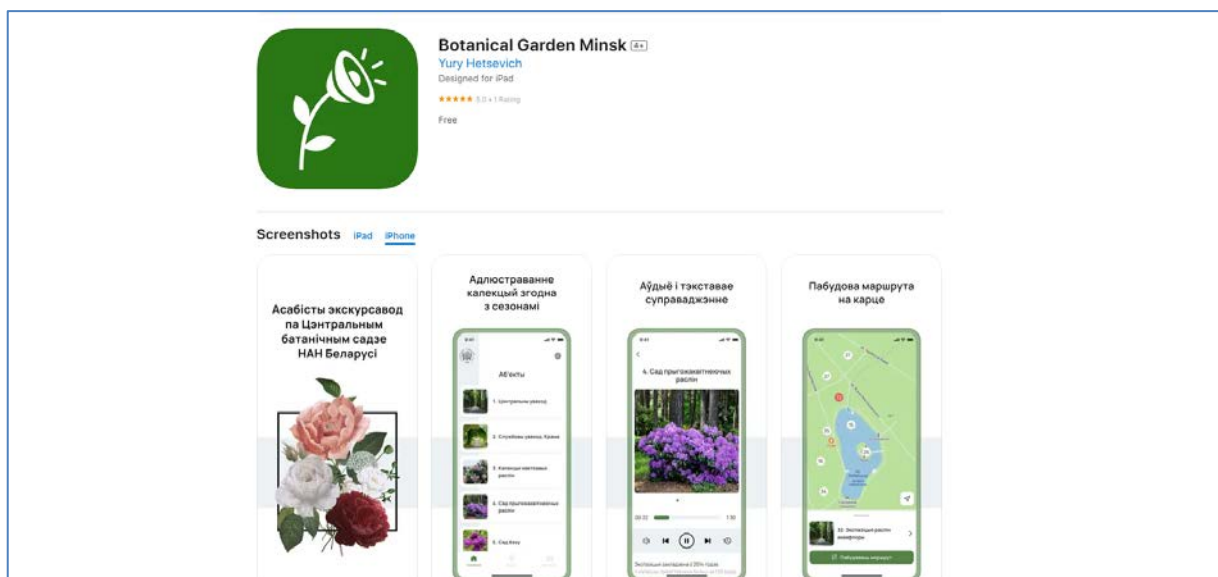
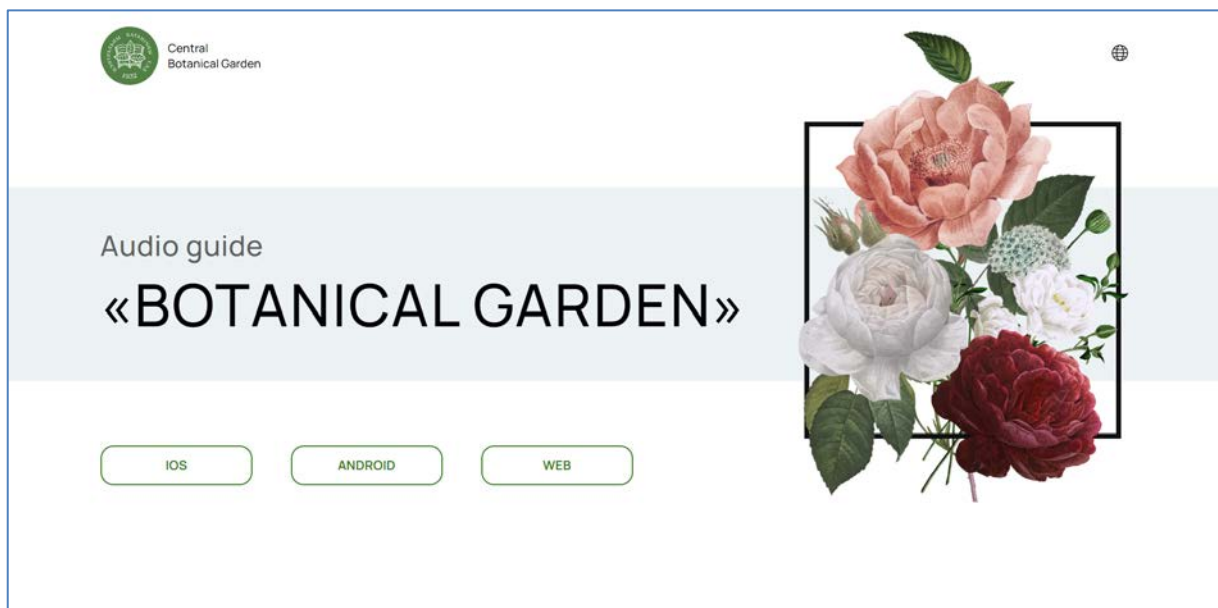
Title: Audio guide to the object “Botanical Garden”

Product type: website, mobile app for iOS and Android

Link: <https://cbg.krokam.com/>

Languages: Belarusian, Russian, English

Tasks: design (front-end), software implementation of the Web platform (back-end), content verification, launch on the client's server, support, automatic backup of program code and data, software implementation of a mobile application for iOS, publication in AppStore.



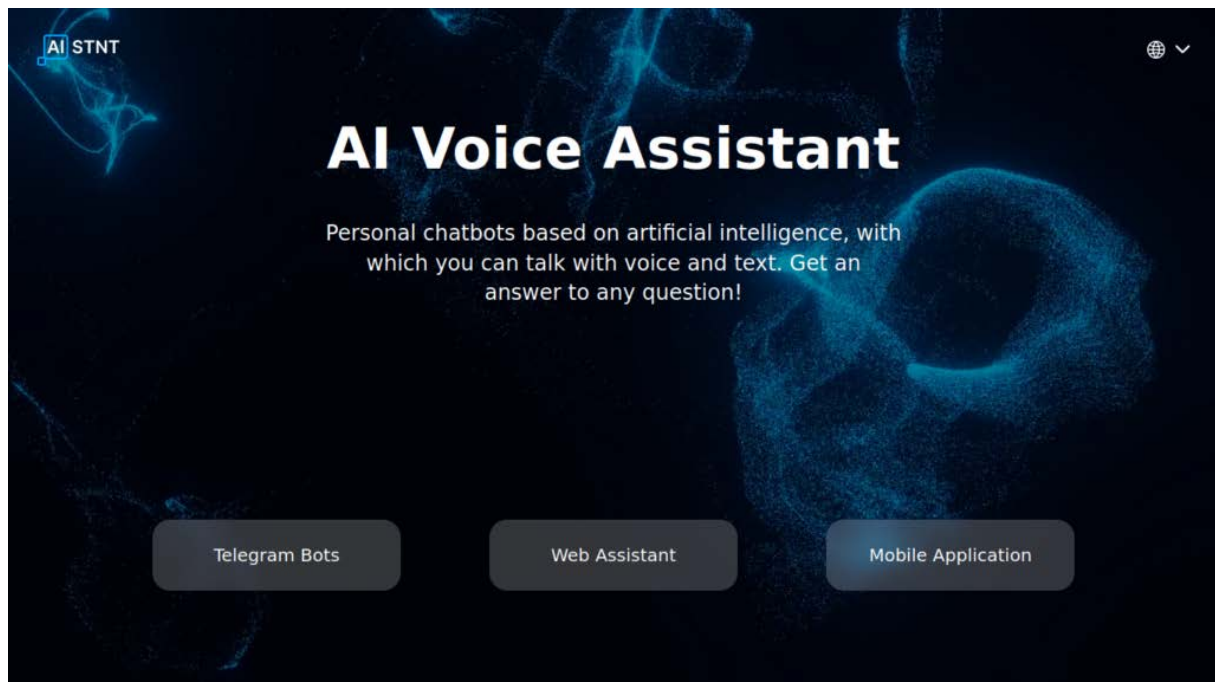
Title: AI Voice Assistant

Product type: website, mobile app for iOS and Android, telegram bot

Link:

Languages: Belarusian, Russian, English, Chinese

Tasks: design (front-end), software implementation of the Web platform (back-end), content verification, launch on the client's server, support, automatic backup of program code and data, software implementation of a mobile application for iOS and Android, publication in AppStore and Google Play, telegram bot realization, speech recognition and synthesis implementation, AI automation for answers.



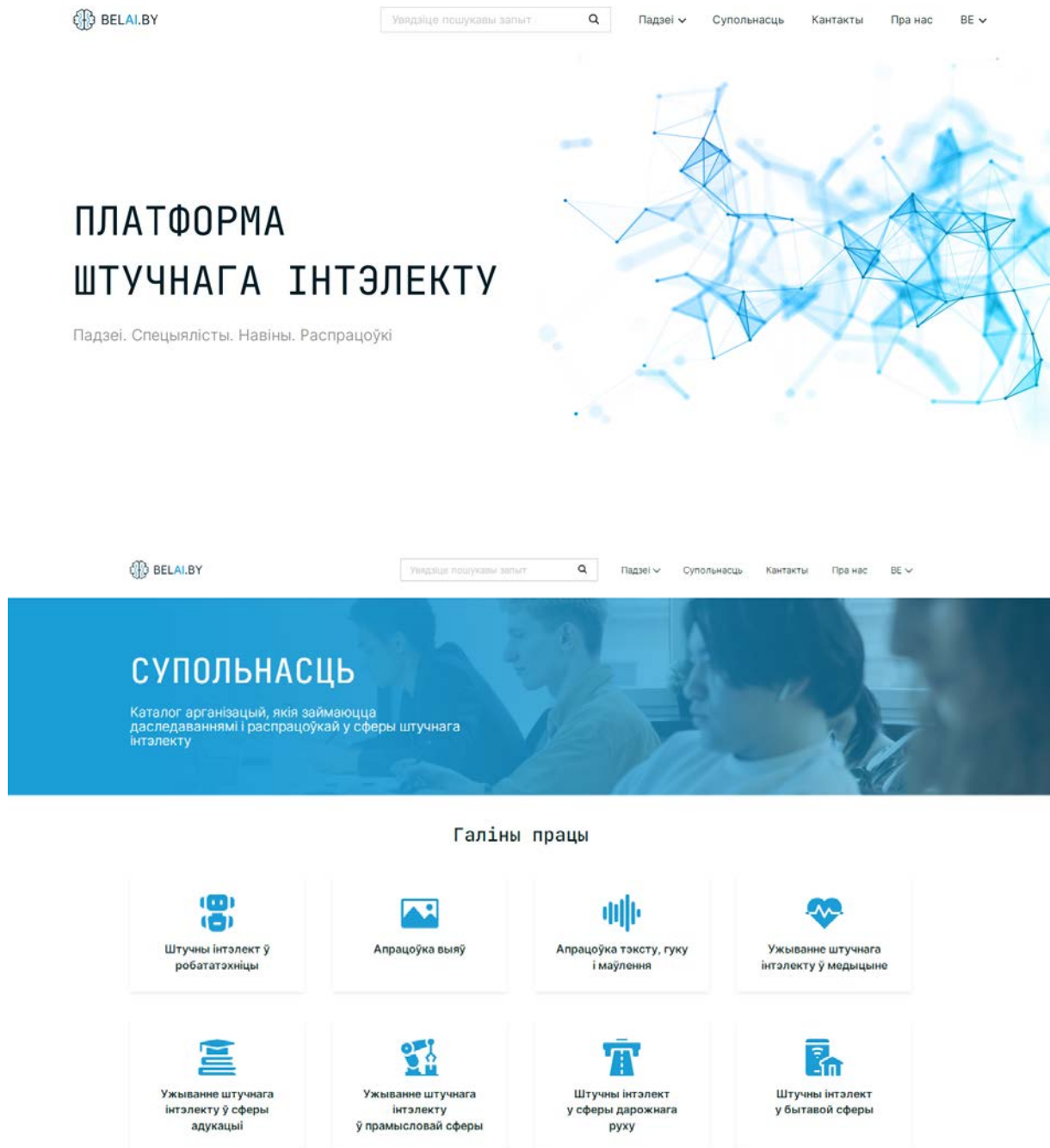
Title: AI-Platform

Product type: website

Link: <https://belai.by/>

Languages: Belarusian, Russian

Tasks: design (front-end), software implementation of the Web platform (back-end), launch on the client's server, support, automatic backup of program code and data, content management.



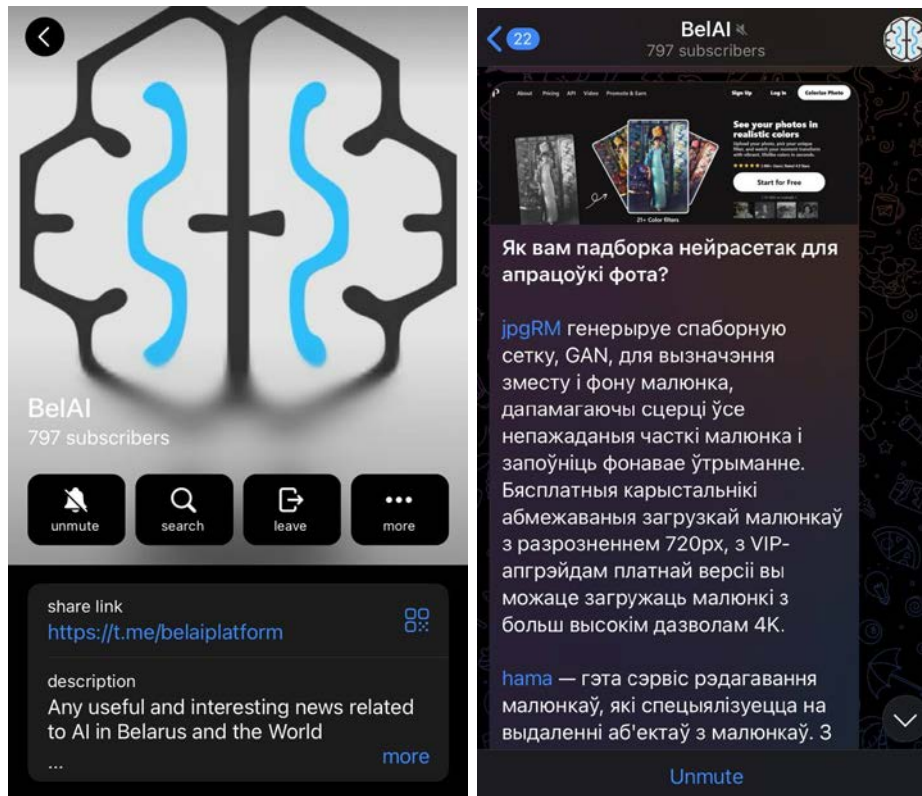
Title: Telegram Channel BelAI-Platform

Product type: Telegram-канал

Link: <https://t.me/belaiplatform>

Languages: Belarusian

Tasks: content management, news on AI in Belarus and the world



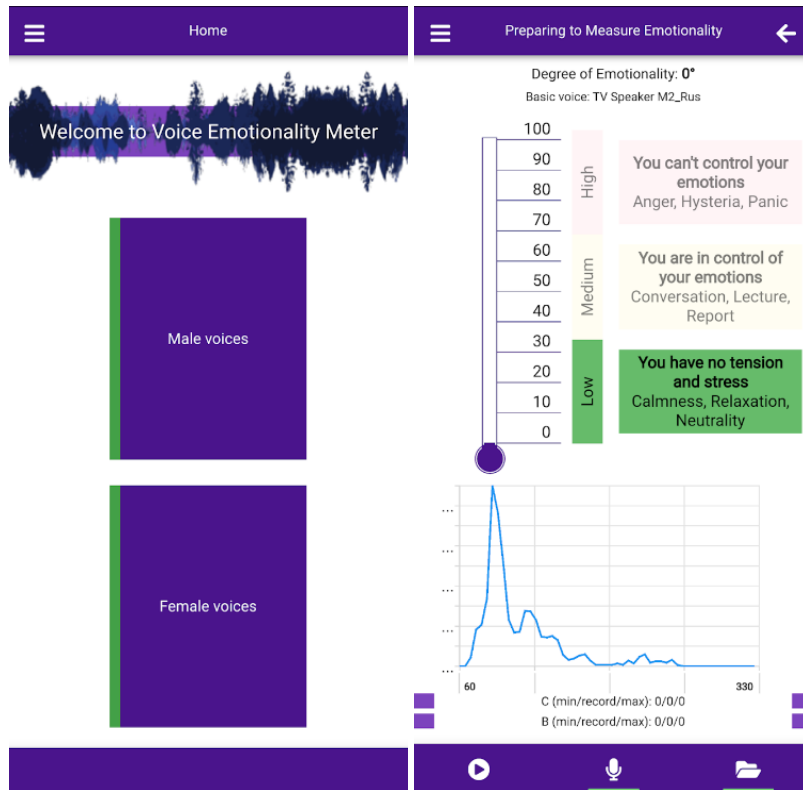
Title: Voice Emo Meter – програмны комплекс для вымярэння ступне эмацыйнасці голасу чалавека

Product type: спецыялізаванае праграмае забеспячэнне для вымярэння ступне эмацыйнасці голсу чалавека, дадатак Desktop, мабільны дадатак для Android

Link: <https://intontrainer.by/#download-vem>

Languages: руская, англійская

Tasks: software implementation of special software, design (front-end), software implementation (back-end), work on multilingual content, running on the server, permanent support; documentation



Contacts

Speech Synthesis and Recognition Laboratory,
United Institute of Informatics Problems of National Academy of Sciences of Belarus

Online

Laboratory web-site (www.ssrlab.by).

Web-page on the official site of UIIP NAS Belarus (http://uiip.bas-net.by/structure/l_rsr/index.php).

Address

vul. Surhanava, 6
220012, Minsk, Belarus

Telephone

+375 (17) 379-21-26 (room 430)
+375 17 379-27-73

Fax

+375 17 379-21-75

E-mail

lab211.uiip@gmail.com

lab221@newman.bas-net.by

sales@ssrlab.by