

Ministry of Education
Government of India

G20
भारत 2023 INDIA

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Azadi Ka
Amrit Mahotsav

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NCERT

Online Training on
Emerging Trends in Educational Technology
Organized by CIET-NCERT, as a part of Janbhagidari Events

Day 1: 12 June, 2023 4:00 pm-5:00 pm

Disruptive Technologies in Education

Disruptive Technologies in Education

Dr Ramesh Sharma

12 June 2023



Disruptive technologies

Massive Open Online Courses (MOOCs)



Adaptive Learning Platforms

A close-up photograph of a person's hands holding a smartphone. The person is wearing a blue long-sleeved shirt. The background is a blurred desk with papers and a pen, suggesting a classroom or office setting. The text 'Adaptive Learning Platforms' is overlaid in the top left corner in a bold, dark blue font.

Metaverse / Virtual and Augmented Reality



Gamification



Blockchain in Credentialing

Artificial Intelligence



USER DATA: 34718v-3.0

FILE SYS LINK TG34.7

GPS LN: -122°1' LG: 37°19'

[←] [→]

27539155 > 0771
166873 > 76483
166873 > 76483

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RESTARTED: 004
A: 01000

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[B7] 7562158 > 7132
[C6] 00000 > 00000
[D5] 25565 > 73421

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COMM. VBR 96.000khz

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IN DOCUMENT <<<<<<
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DATA UNITS COMPLETE
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40.000000 709.8562578 0xFFEEDCF

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VERIFY: 6742388-003

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SEARCH REV. 9001-VNR

SEC. VALIDATED: T7-44-LJC

Generative AI

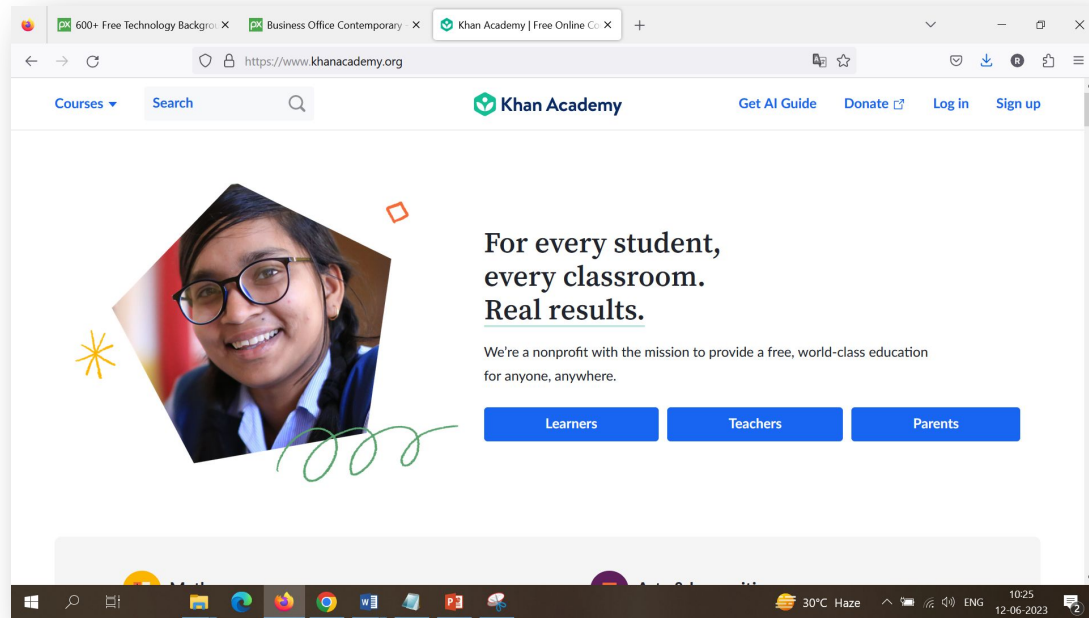


India

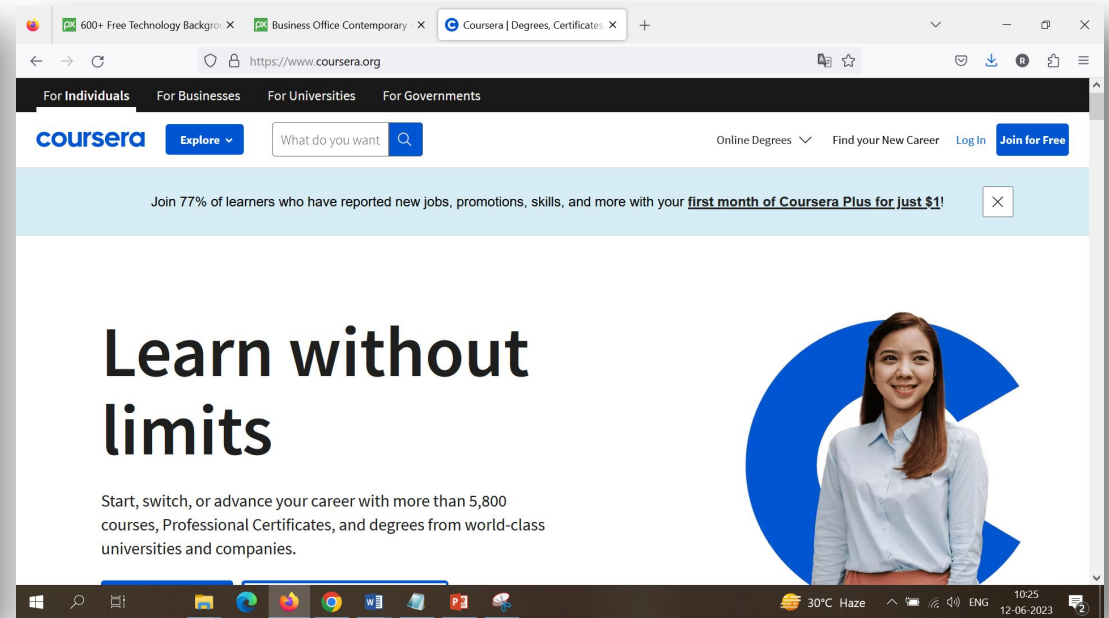
The screenshot shows the Swayam Portal website. At the top, it features the Ministry of Education logo and the text "Ministry of Education Government of India". Below this is a navigation bar with links for "DIKSHA", "SWAYAM Portal", "SWAYAM Prabha TV", "Radio", "e-Content for CWSN", "Online Coaching for Competitive Exams", and "Hindi". The main banner area is divided into two sections. The left section is for "swayam" with the tagline "शिक्षित भारत, उन्नत भारत" and lists three bullet points: "Acquire skills that meet your needs", "Faculty Development and Student Mentoring", and "Interface with SWAYAM as a Local Chapter". The right section is for "SWAYAM PRABHA" with a "24/7 SERVICE" badge and text: "Free DTH Channel for Education - A group of 32 DTH channels devoted to telecasting of high-quality educational programmes." Below the banner is a "SWAYAM Portal" section with an "About" link. The Windows taskbar at the bottom shows the date as 12-06-2023 and the time as 10:23.

The screenshot shows the BYJU'S website. The header includes the BYJU'S logo and navigation links for "Study Materials", "BYJU'S Answer", "Scholarship", "BTC", "Buy a Course", "Success Stories", and a "Login" button. The main banner features the text "The ultimate tuition destination 300+ Centres | 140+ Cities" and "Admissions Open for AY - 2023-24" with a WhatsApp icon. Below the banner is a "Book your Free Session" section with the subtext "Learn from India's best teachers". It includes a "Select the Session Mode" section with radio buttons for "Online" (selected) and "Offline". Below that is an "Enter Your Details" section with a text input field for "Enter Name of your Child". The Windows taskbar at the bottom shows the date as 12-06-2023 and the time as 10:24.

United States

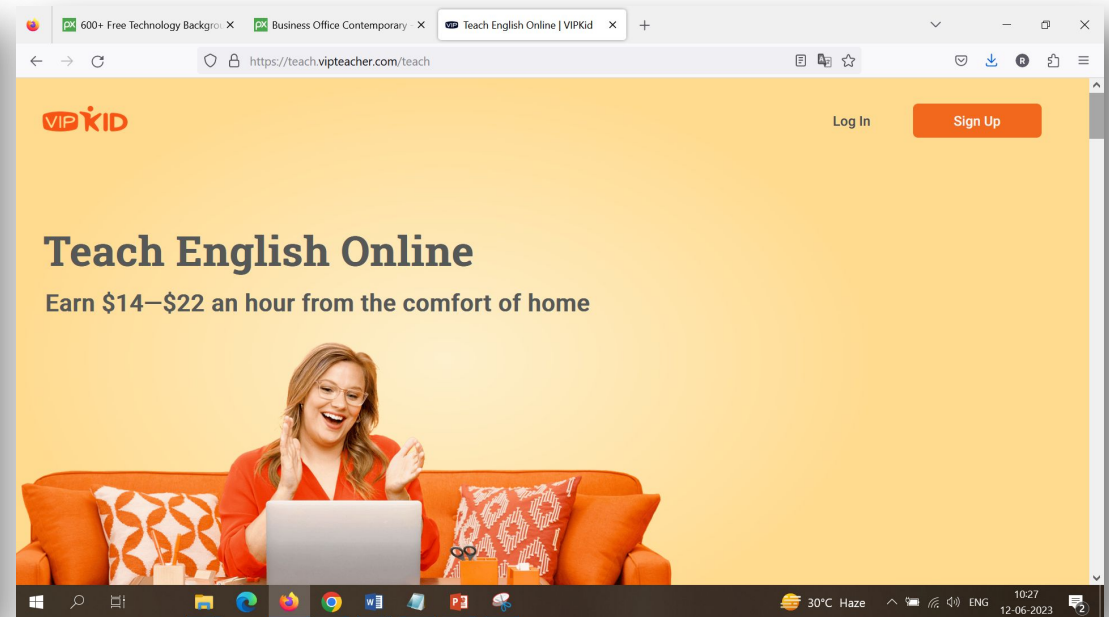
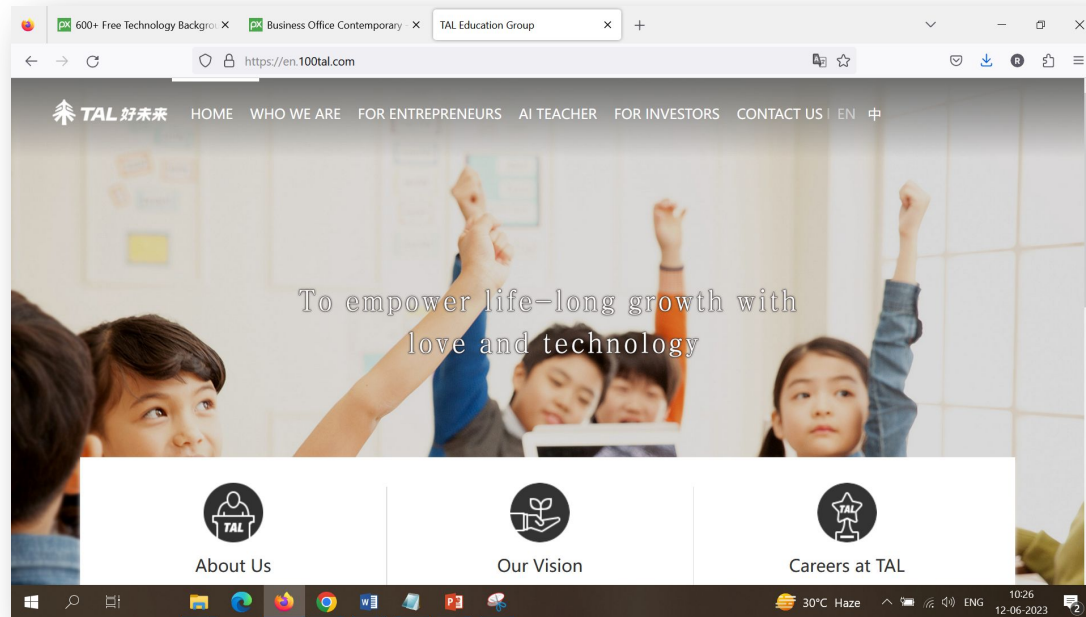


The screenshot shows the Khan Academy homepage. The browser's address bar displays <https://www.khanacademy.org>. The navigation bar includes a search bar, the Khan Academy logo, and links for "Get AI Guide", "Donate", "Log in", and "Sign up". The main content area features a large image of a smiling student wearing glasses and a graduation cap. To the right of the image, the text reads: "For every student, every classroom. Real results." Below this, a mission statement states: "We're a nonprofit with the mission to provide a free, world-class education for anyone, anywhere." At the bottom of this section are three blue buttons labeled "Learners", "Teachers", and "Parents". The Windows taskbar at the bottom shows the date as 12-06-2023 and the time as 10:25.



The screenshot shows the Coursera homepage. The browser's address bar displays <https://www.coursera.org>. The navigation bar includes links for "For Individuals", "For Businesses", "For Universities", and "For Governments", along with the Coursera logo, an "Explore" dropdown, a search bar with the placeholder "What do you want", and links for "Online Degrees", "Find your New Career", "Log In", and "Join for Free". A promotional banner at the top states: "Join 77% of learners who have reported new jobs, promotions, skills, and more with your first month of Coursera Plus for just \$1!". The main content area features the headline "Learn without limits" and a sub-headline: "Start, switch, or advance your career with more than 5,800 courses, Professional Certificates, and degrees from world-class universities and companies." To the right is a large blue circular graphic containing a photo of a smiling woman in a light blue shirt. The Windows taskbar at the bottom shows the date as 12-06-2023 and the time as 10:25.

China



"Tomorrow Advancing Life"

Finland

The screenshot shows the homepage of hundrED. The browser's address bar displays <https://hundred.org/en>. The navigation menu includes "Innovations", "Services", "News", "MOOC", "Implementation Center", and "Login". The main headline reads "The call for Gamified Curricula is open until June 15!". Below the headline is a "Share your innovation" button. A cookie consent banner is visible at the bottom, with "Accept" and "Reject" options. The Windows taskbar at the bottom shows the time as 10:28 on 12-06-2023.

The screenshot shows the homepage of seppo.io. The browser's address bar displays <https://seppo.io>. The navigation menu includes "Shop", "Login", "Language", "Features", "Solutions", "Resources", and "About us". The main headline reads "seppo SEPPO GAMIFICATION PLATFORM". Below the headline is a sub-headline: "Turn all your education needs into engaging and motivating games with Seppo." A "BOOK A DEMO" button is located in the top right. A "Customer Support" button is in the bottom right. The Windows taskbar at the bottom shows the time as 10:29 on 12-06-2023.

South Korea



Samsung offers tech to classrooms to reduce education gap - The Korea Times

[Visit](#)



Students at Nohwa Elementary School on Wando, a remote island in South Jeolla Province, play with mobile devices provided by Samsung Electronics in a “smart classroom” on Thursday. (Samsung Electronics)

Australia



https://www.uopeople.edu/blog/best-online-programs-in-australia/



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TIPS FOR ONLINE STUDENTS, WHY STUDY ABROAD

BEST PROGRAMS TO STUDY ONLINE IN AUSTRALIA



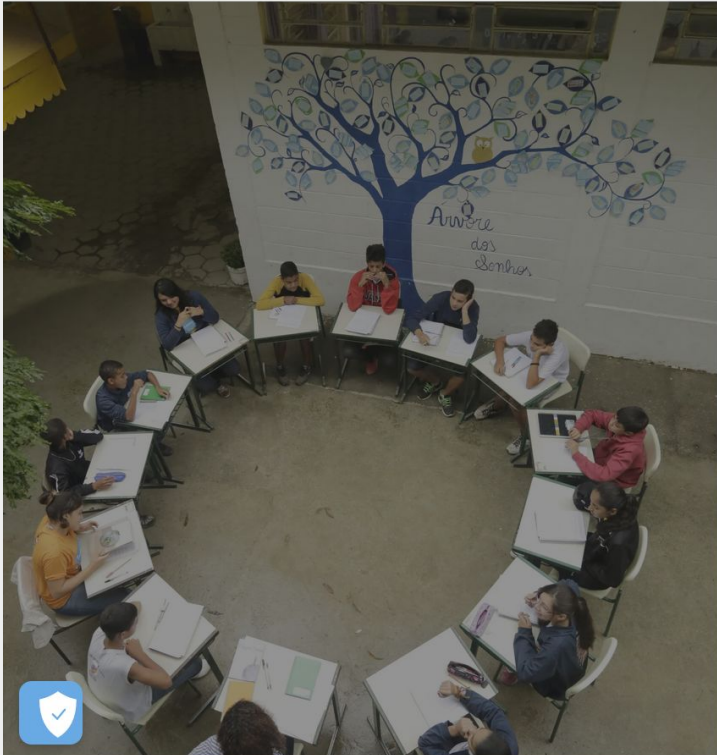
Kenya

The screenshot shows a browser window with the URL <https://brck.com/index.html>. The website header includes the BRCK logo and navigation links for Home, About, and Products. The main content area features a large, dark image of a mountain range with the text: **Built on a bedrock of telecommunications infrastructure that you can always trust.** Below this, it says "Features and cloud-based solutions for companies that think about the future." and a yellow "Contact Sales" button.

This screenshot shows a mobile search result for "BRCK". It includes a search bar with "BRCK" entered, a photo of an office interior, and the following details: **BRCK**, a 4.5-star rating from 75 reviews, and the description "Telecommunications service provider". Below this are tabs for "Overview" and "Reviews", and three action buttons: "Save", "Send to phone", and "Share". At the bottom, there are links for "brck.com" and "Send to your phone".

The screenshot shows a Google Maps interface with a red location pin placed in Kenya. The map displays surrounding countries including South Sudan, Ethiopia, Somalia, Tanzania, Uganda, Rwanda, Burundi, and the Central African Republic. Major cities like Kampala, Nairobi, Mombasa, and Dar es Salaam are labeled. The top navigation bar includes categories like Restaurants, Hotels, Things to do, Transit, Parking, and Pharma.

Brazil



600+ Free Technology Backgrou X Business Office Contemporary X Home - English - Instituto Natura X

https://www.institutonatura.org/en/home-english/

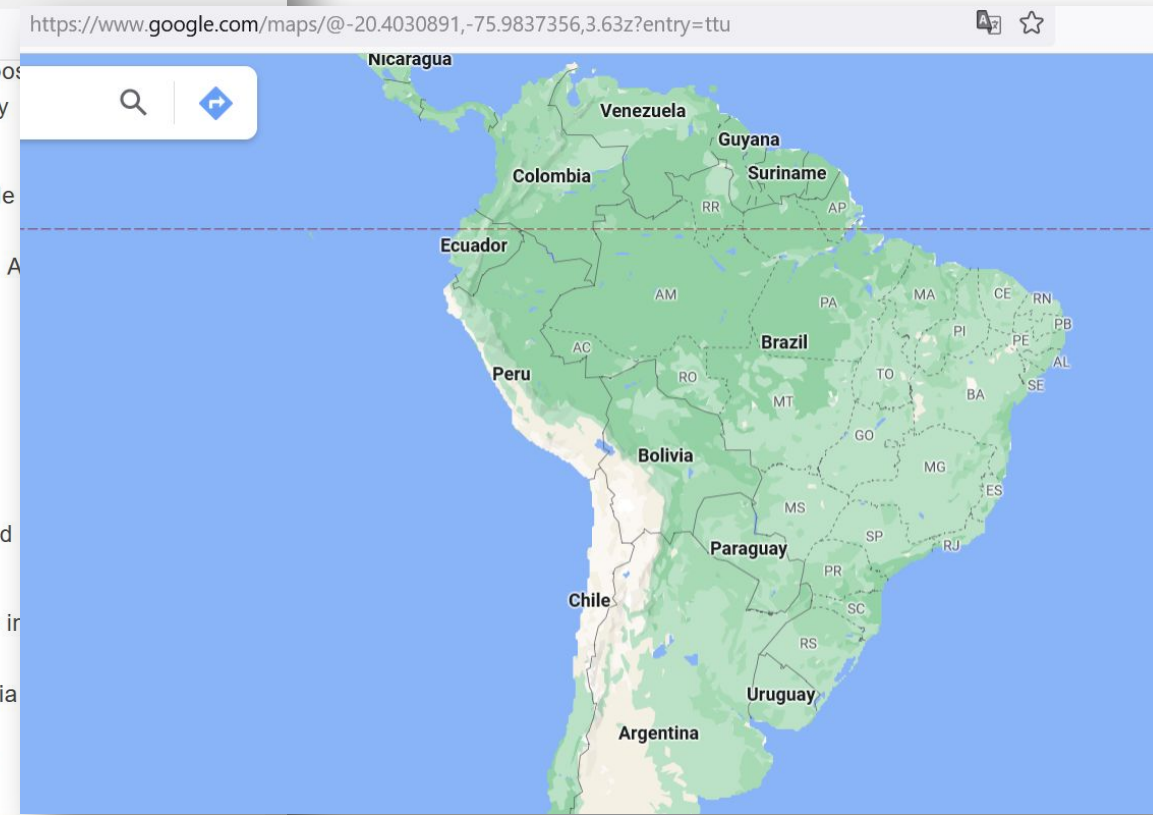
Natura Institute was created in 2010 with the purpose of expanding the investments in Education already made by Natura since 1995.

Investments that are only possible through the sale of Natura Crer Para Ver line products, marketed by Natura Beauty Consultants, without making profit. All the collected resource is intended for education projects developed by Natura Institute.

In Brazil, our initiatives are focused on four commitments: Literacy at the right age through Collaborative Regime, Full-Time High School, Articulation with Priority Education Agendas and Education and Mobilization for Natura Leaders and Beauty Consultants.

In 2020, we expanded our operations to countries in Hispanic America. We have headquarters in Argentina, Chile and Mexico, and soon in Colombia and Peru, with the purpose and commitment to systemically improve the learning of children and youth of these countries.

Windows taskbar: 30°C Haze, 10:37, 12-06-2023



Sweden

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Home > Education > Minecraft Added to Mandatory Curriculum in Swedish School

EDUCATION

Minecraft Added to Mandatory Curriculum in Swedish School

By **Ivan Kuo** · January 29, 2013 · 6533 views · 2 comments

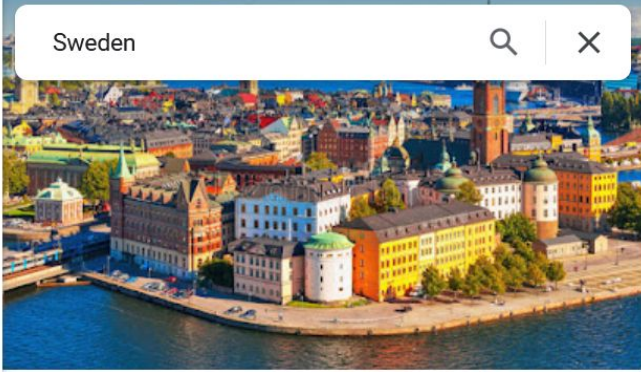


Minecraft is Teaching Urban Engineering Concepts

Minecraft is emerging as one of the most pleasant surprises in game-based learning. Already existing in some schools as a [social tool](#) and [Roman history lesson](#), the Swedish-developed block building game has found its way into the mandatory learning curriculum for one particular school in Stockholm.

The Viktor Rydberg school in Stockholm has made Minecraft a part of the compulsory learning curriculum for about 180 students. This new curriculum addition stems from an international school competition called *Future City* that aims to teach students more

Sweden



Norwegian Sea

Restaurants Hotels Things to do Museums

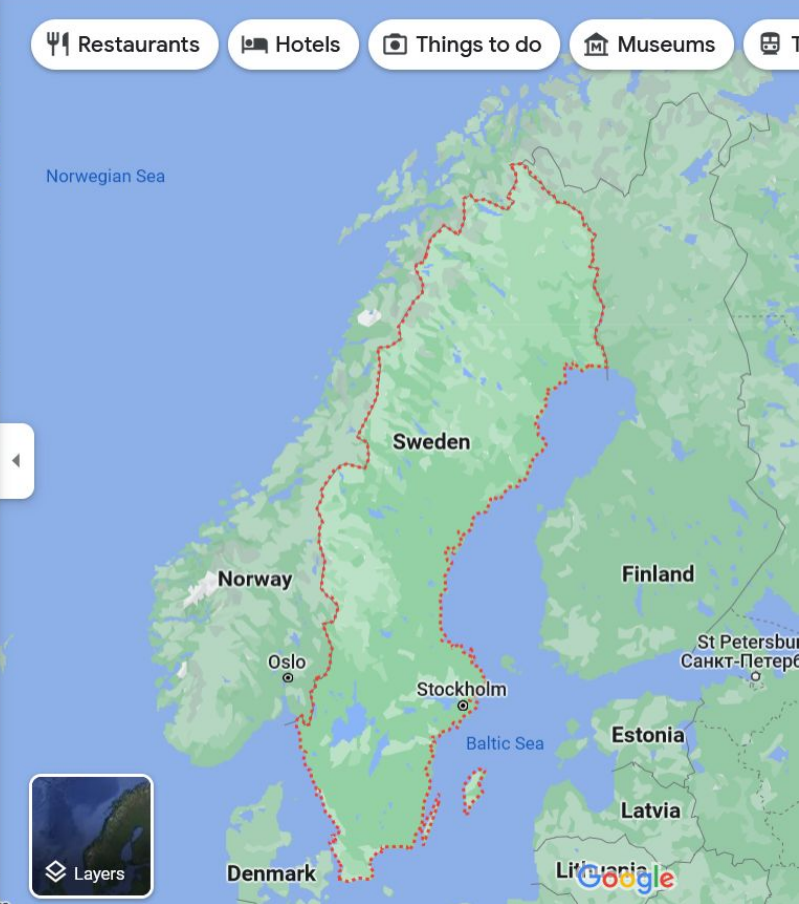
Sweden

Sverige

Directions Save Nearby Send to phone Share

Quick facts

Sweden is a Scandinavian nation with thousands of coastal islands and inland lakes, along with vast boreal forests and glaciated mountains. Its princi... [More](#)



Oslo Stockholm

Baltic Sea

Norway Finland

Denmark Estonia Latvia Lithuania

St Petersburg Санкт-Петербург

Layers

Google

Singapore



https://gigis.edu.sg/our-facilities/smart-classrooms/

90%



6563231220 admissions@gigis.edu.sg



ENQUIRE

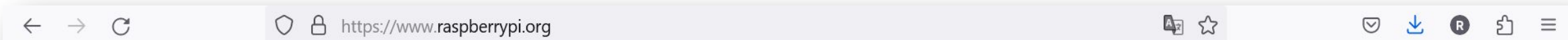
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