

Ministry of Education
Government of India

G20
भारत 2023 INDIA

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Azadi Ka
Amrit Mahotsav

एन सी ई आर टी
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, blurred photograph of a person's hands holding a smartphone. The person is wearing a blue shirt. The background is out of focus, showing a white surface and a green object. The text 'Adaptive Learning Platforms' is overlaid in the upper left corner in a bold, dark blue font.

Metaverse / Virtual and Augmented Reality



Gamification



Blockchain in Credentialing

Generative AI

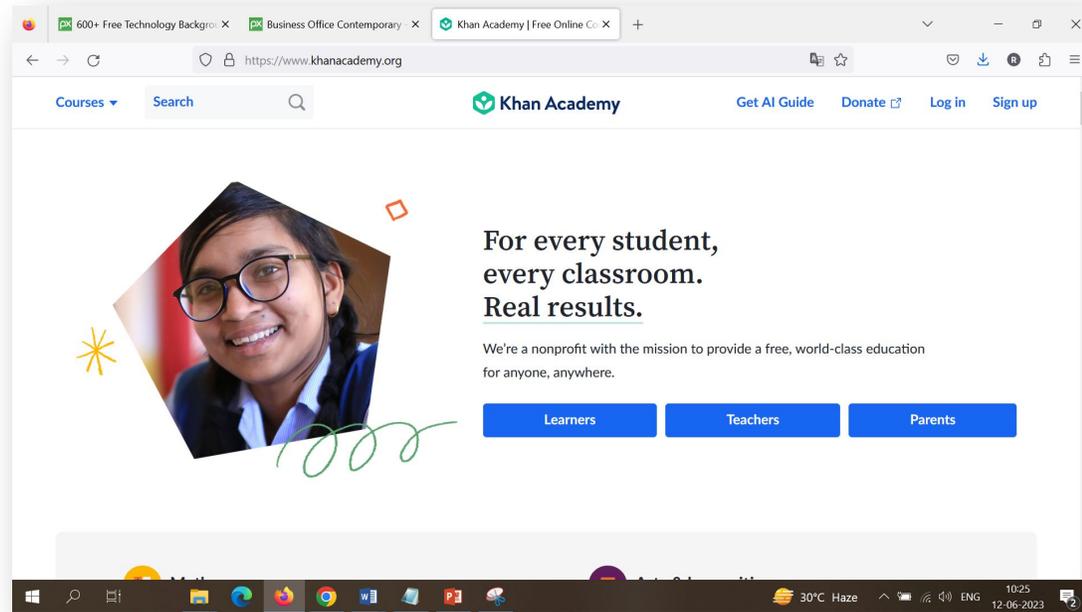


India

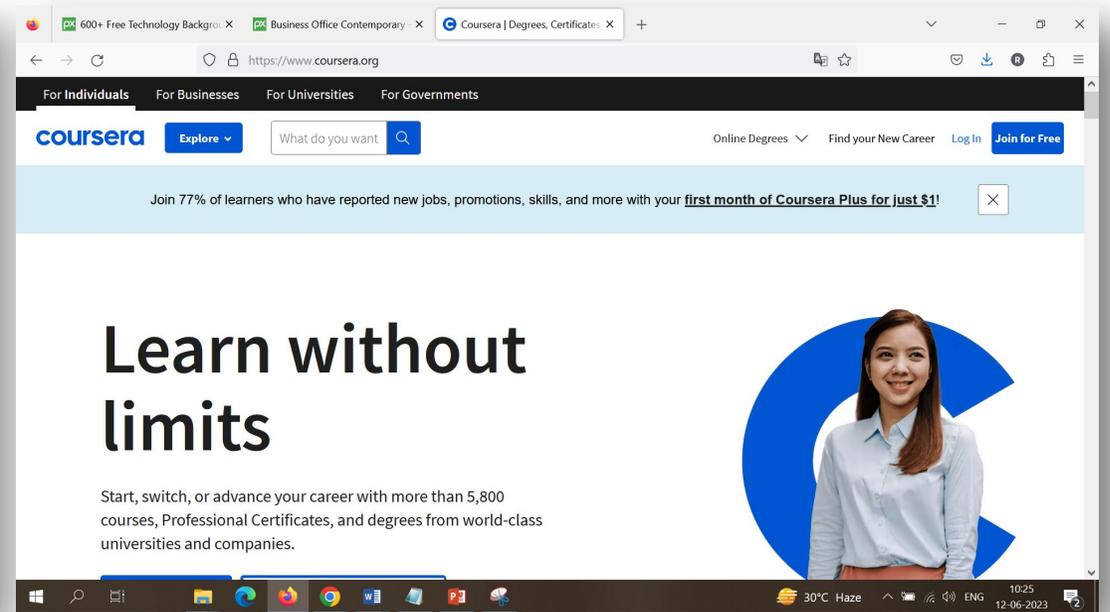
The screenshot shows the Swayam Portal website. At the top, it features the Ministry of Education logo and the text "Ministry of Education Government of India". Below this is a navigation bar with links for "DIKSHA", "SWAYAM Portal", "SWAYAM Prabha TV", "Radio", "e-Content for CWSN", "Online Coaching for Competitive Exams", and "Hindi". The main banner area includes the "swayam" logo with the tagline "शिक्षित भारत, उन्नत भारत" and a list of services: "Acquire skills that meet your needs", "Faculty Development and Student Mentoring", and "Interface with SWAYAM as a Local Chapter". To the right, there is a section for "SWAYAM PRABHA" described as a "Free DTH Channel for Education" with "24/7 SERVICE". A portrait of Prime Minister Narendra Modi is also visible. The bottom of the page shows a "SWAYAM Portal" section and a taskbar with system information: 30°C Haze, 10:23, 12-06-2023.

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 "Login". The main banner features the text "The ultimate tuition destination 300+ Centres | 140+ Cities" and "Admissions Open for AY - 2023-24". Below the banner is a "Book your Free Session" form with the subtext "Learn from India's best teachers". The form includes a "Select the Session Mode" section with radio buttons for "Online" and "Offline", and an "Enter Your Details" section with a text input field for "Enter Name of your Child". A large image of a smiling family is positioned on the left side of the form. The bottom of the page shows a taskbar with system information: 30°C Haze, 10:24, 12-06-2023.

United States

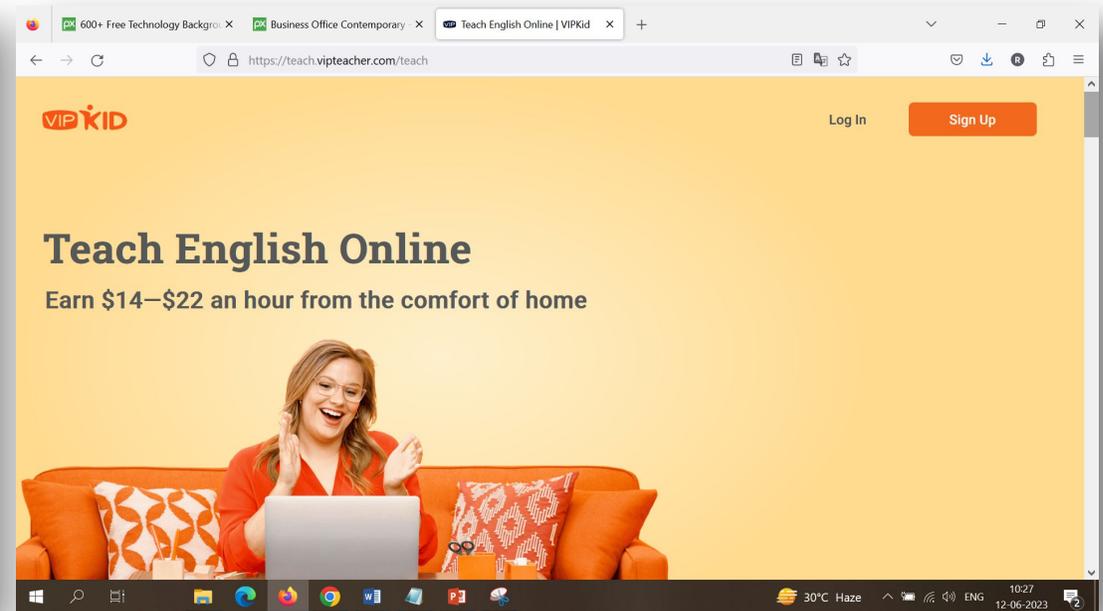
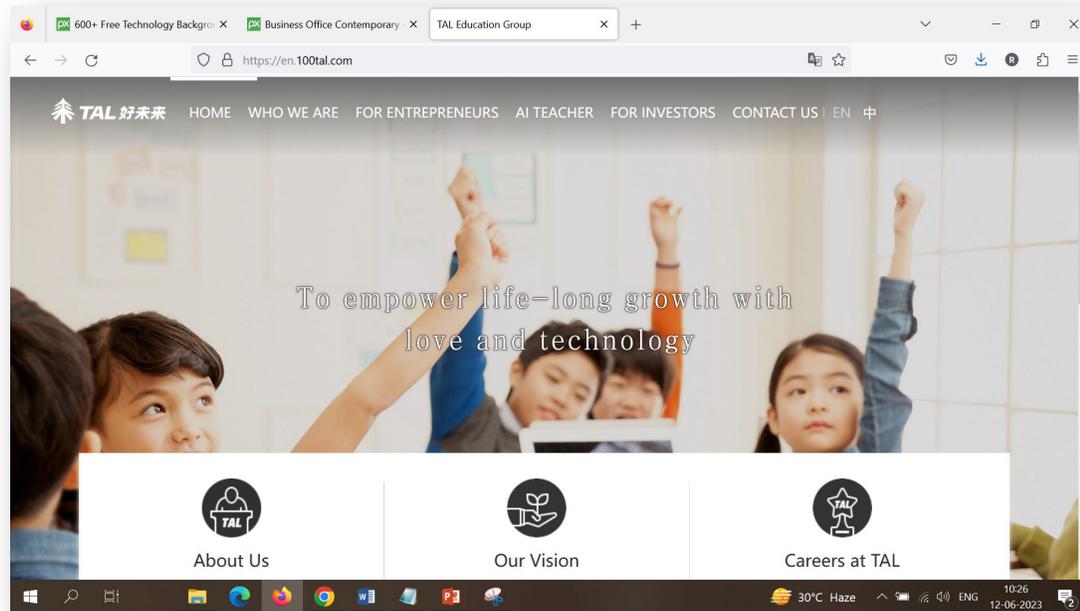


The screenshot shows the Khan Academy homepage. The browser's address bar displays "https://www.khanacademy.org". The navigation bar includes "Courses", "Search", the Khan Academy logo, and links for "Get AI Guide", "Donate", "Log in", and "Sign up". The main content area features a large portrait of a smiling woman with glasses, a yellow starburst icon, and the headline "For every student, every classroom. Real results." Below this, a sub-headline reads "We're a nonprofit with the mission to provide a free, world-class education for anyone, anywhere." Three blue buttons labeled "Learners", "Teachers", and "Parents" are positioned at the bottom of the main section. 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 "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 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." A large blue 'C' logo with a woman's portrait inside it is on the right. 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. At the bottom, there is a cookie consent banner with "Accept" and "Reject" buttons. 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." There is a "BOOK A DEMO" button. At the bottom right, there is a "Customer Support" button. 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

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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



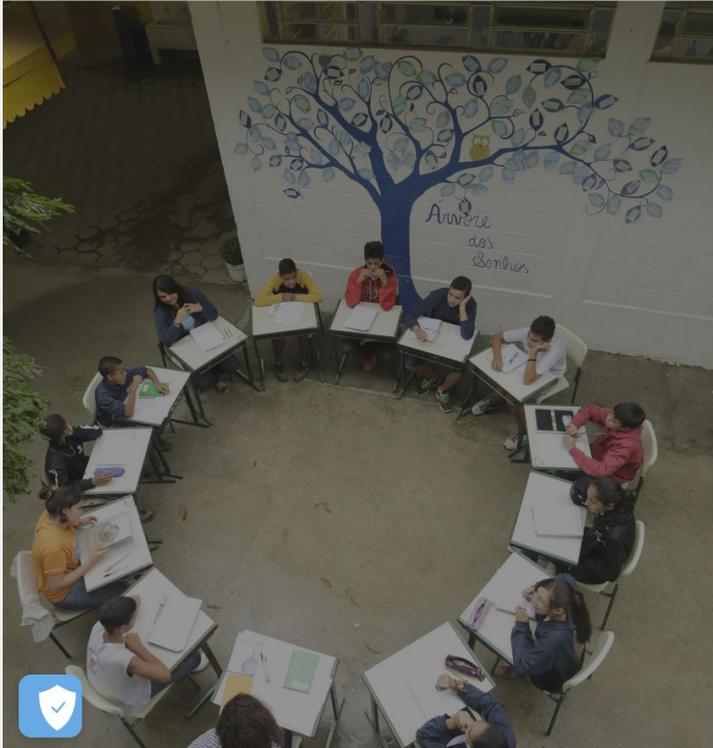
Kenya

The screenshot shows a web browser window with the URL <https://brck.com/index.html>. The browser tabs include "600+ Free Technology Backgro...", "Business Office Contemporary", and "BRCK". The website header features the BRCK logo and navigation links for "Home", "About", and "Products". The main content area has a dark background with a mountain range and 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.

The screenshot shows a mobile search results page for "BRCK". At the top is a search bar with "BRCK" and a magnifying glass icon. Below the search bar is a photo of a modern office interior with desks, chairs, and a "BRCK" sign on the wall. The search results section displays "BRCK" with a 4.5-star rating from 75 reviews, identifying it as a "Telecommunications service provider". There are two tabs: "Overview" (selected) and "Reviews". Below the tabs are three icons: "Save", "Send to phone", and "Share". At the bottom, there are two links: "brck.com" with a globe icon and "Send to your phone" with a phone icon.

The screenshot shows a Google Maps interface. At the top, there are navigation buttons for "Restaurants", "Hotels", "Things to do", "Transit", "Parking", and "Pharma". The map displays East Africa, with a red location pin placed in Kenya. Labeled countries include Central African Republic, South Sudan, Ethiopia, Djibouti, Somalia, Uganda, Rwanda, Burundi, Tanzania, and DRC. Cities like Kampala, Nairobi, Mombasa, and Dar es Salaam are also labeled. The Google logo is visible in the bottom right corner of the map area.

Brazil



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

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

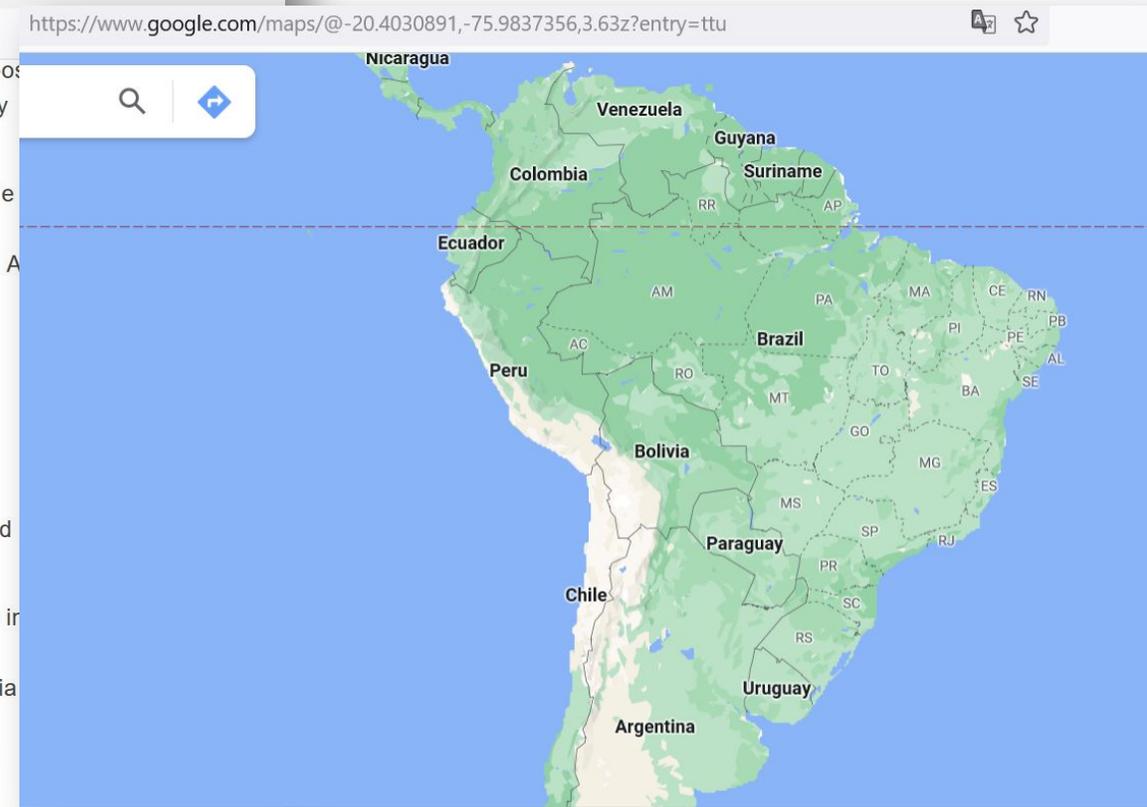
Natura Institute was created in 2010 with the purpose of expanding the investments in Education already made by Natura since 1995.

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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EDUCATION

Minecraft Added to Mandatory Curriculum in Swedish School

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

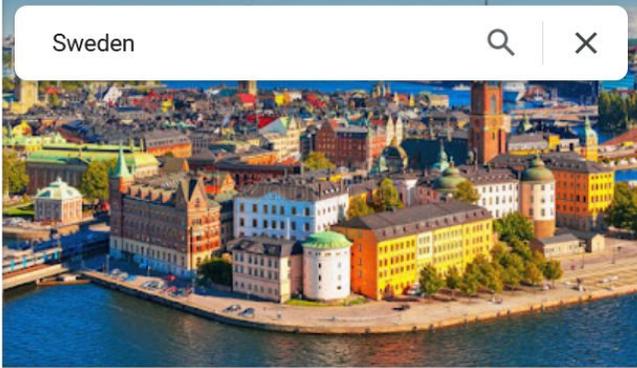


Minecraft is Teaching Urban Engineering Concepts

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

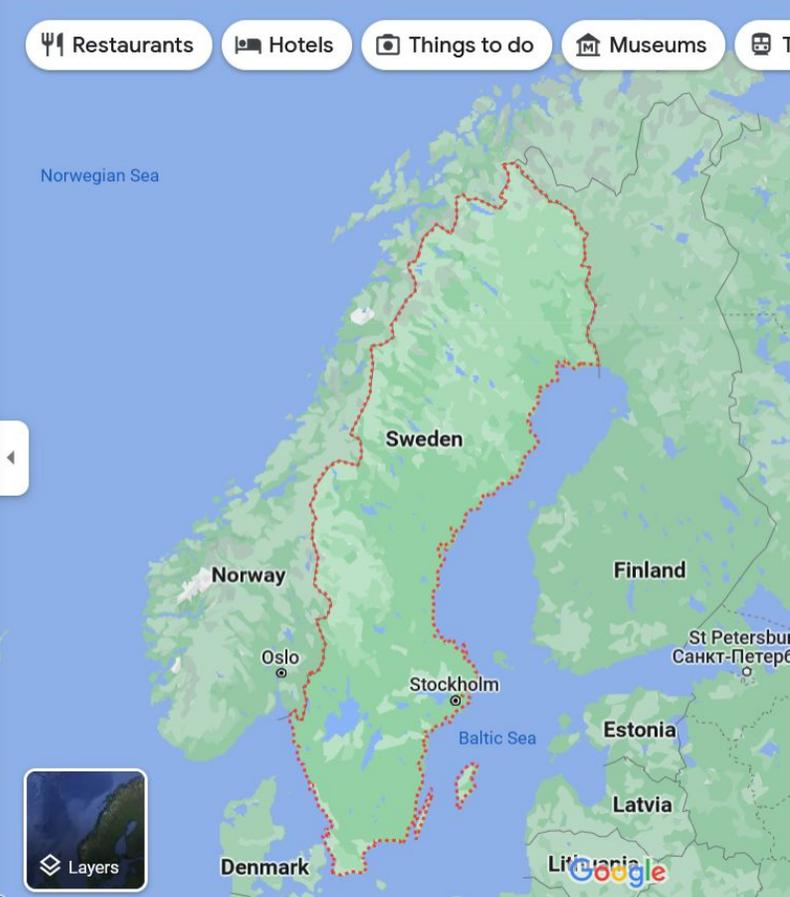
Sweden

Sverige

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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](#)



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Baltic Sea

Denmark Estonia Latvia Lithuania

Layers

Singapore



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



6563231220 admissions@gigis.edu.sg



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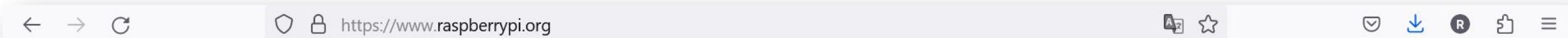
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