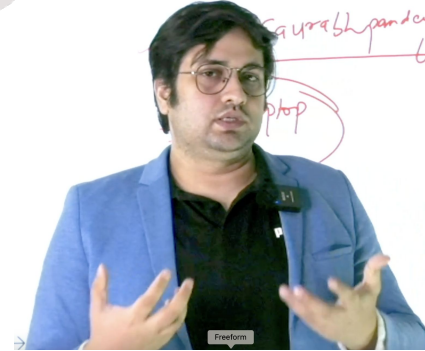


Topics - MINDS MAPS included

- Gold Nuggets
- Green Sea Turtle
- The Summit of the Future 2024: Global AI Governance & India
- Why is Google accused of being an illegal monopoly?
- the Harm Principle of Liberty by John Mill
- China Hits Canada with Anti-Dumping Probe
- All About the International Criminal Court (ICC)
- Mains



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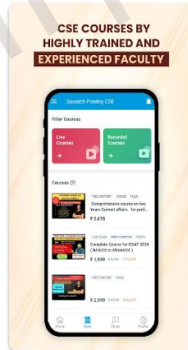
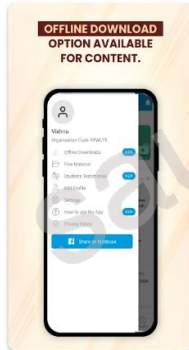
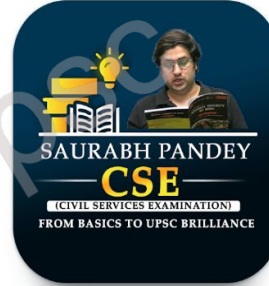
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— Topic- Gold Nuggets

Overview

- Gold nuggets are naturally occurring pieces of native gold.
- They are often found in rivers, streams, and areas with a history of gold mining.
- Recent studies have revealed fascinating processes behind their formation.

Insights:

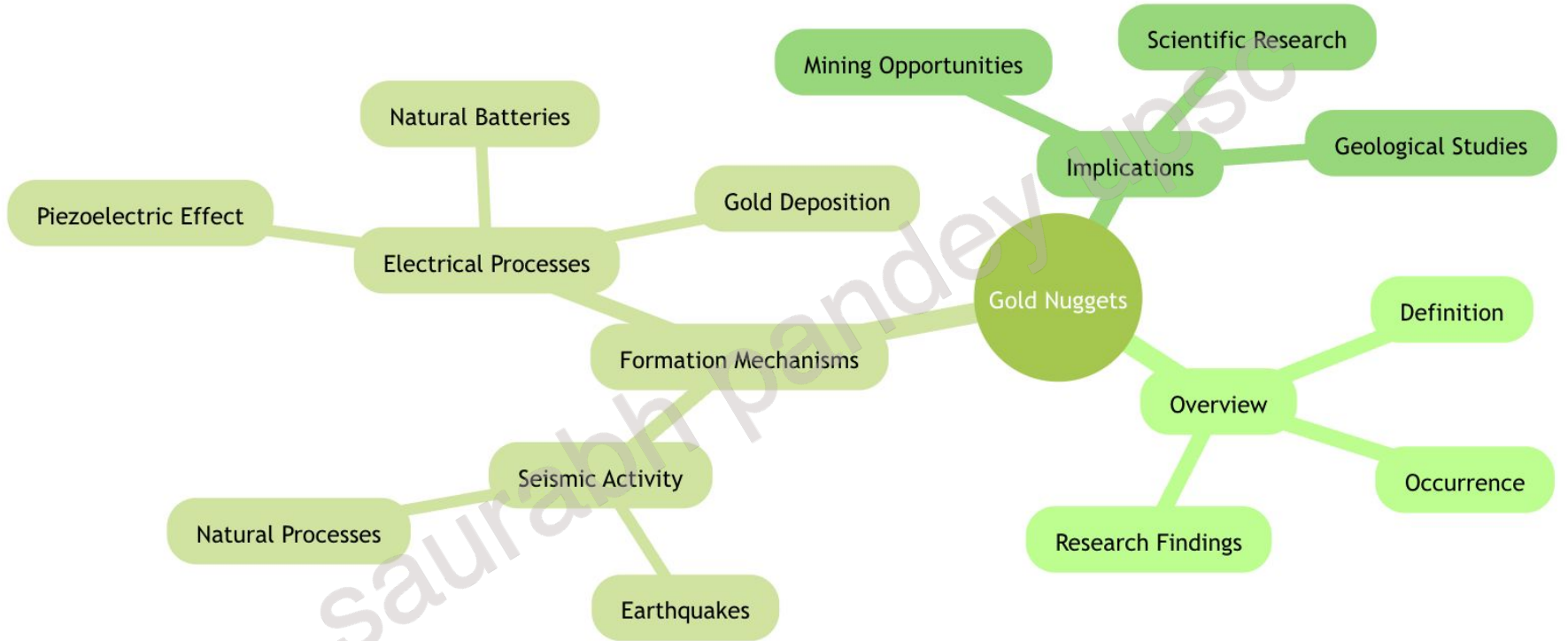
- Earthquakes may play a crucial role in the creation of large gold nuggets.
 - Electricity generated during seismic activity could help form these nuggets by affecting quartz.
-

Mechanisms of Formation

- **Seismic Activity:** Earthquakes generate processes that can lead to the formation of gold nuggets.
 - **Piezoelectric Effect:** Quartz can produce electricity when subjected to stress, leading to gold deposition.
 - **Natural Batteries:** Earthquakes can turn quartz into "natural batteries" that facilitate gold accumulation.
-

-
-
- Gold nuggets represent the most extreme examples of this gold enrichment.
 - Most nuggets originate from the quartz veins formed in orogenic gold systems found around the world.
 - These systems have had exceptional economic importance throughout human history, representing up to 75% of all gold ever mined.”
-

-
-
- Quartz is a piezoelectric crystal; when it is squeezed or its shape is mechanically distorted in some way, it develops a voltage
 - An electric field distorts the electronic properties of quartz, causing electrons to flow from the crystal to an aqueous solution on its surface or vice versa
 - A seismic wave leads to piezo catalytic reactions with gold-bearing solutions, and gold is deposited on the crystals.
 - This process, repeated thousands of times, creates large gold nuggets
-



Topic- Green Sea Turtle

Overview

Species: Green Sea Turtle (Chelonia mydas)

Habitat: Coastal waters, tropical and subtropical regions

Diet: Primarily herbivorous, feeding on seagrasses and algae

Conservation Status: Endangered due to habitat loss, poaching, and climate change

Current Issues

Illegal Trade: Cases of possession and illegal trade of green sea turtles.

Climate Change: Effects on nesting and survival rates.

Rescue Operations: Rehabilitation of injured or stranded turtles.

Conservation Efforts

Habitat Protection: Safeguarding nesting sites.

Legislation: Enforcing laws against poaching and trade.

Research: Ongoing studies to understand their behavior, ecology, and threats.

Mapping --Guanabara Bay in Rio de Janeiro

Overview

Location: Rio de Janeiro, Brazil

Significance: Important ecological and cultural site

Challenges: Pollution, conservation efforts

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Topic-The Summit of the Future 2024: Global AI Governance & India

Overview

Purpose: A pivotal moment for global diplomacy in AI governance.

Participants: World leaders and stakeholders under the United Nations.

Goals:

Advance the Global Digital Compact (GDC).

Address the digital divide.

Promote Sustainable Development Goals (SDGs).

Create a secure and inclusive digital environment.

Key Focus Areas of the Summit

International Governance: Strengthening governance of emerging technologies.

Ethical Standards: Align technology with fundamental rights and values.

Geopolitical Landscape: Importance of India's role in shaping discourse on AI governance.

U.S.-Led Resolution:

Focus: Safe, Secure, and Trustworthy AI.

Encourages: Shared ethical principles and transparency standards.

Aim: Assert dominance in AI technology.

China-Led Resolution:

Emphasis: Equitable benefits from AI and bridging the digital divide.

Goal: Promote an open, non-discriminatory business environment.

Geopolitical Implications:

Growing contestation in digital governance.

UN as a platform for articulating challenges and fostering cooperation.

India's Strategic Engagement

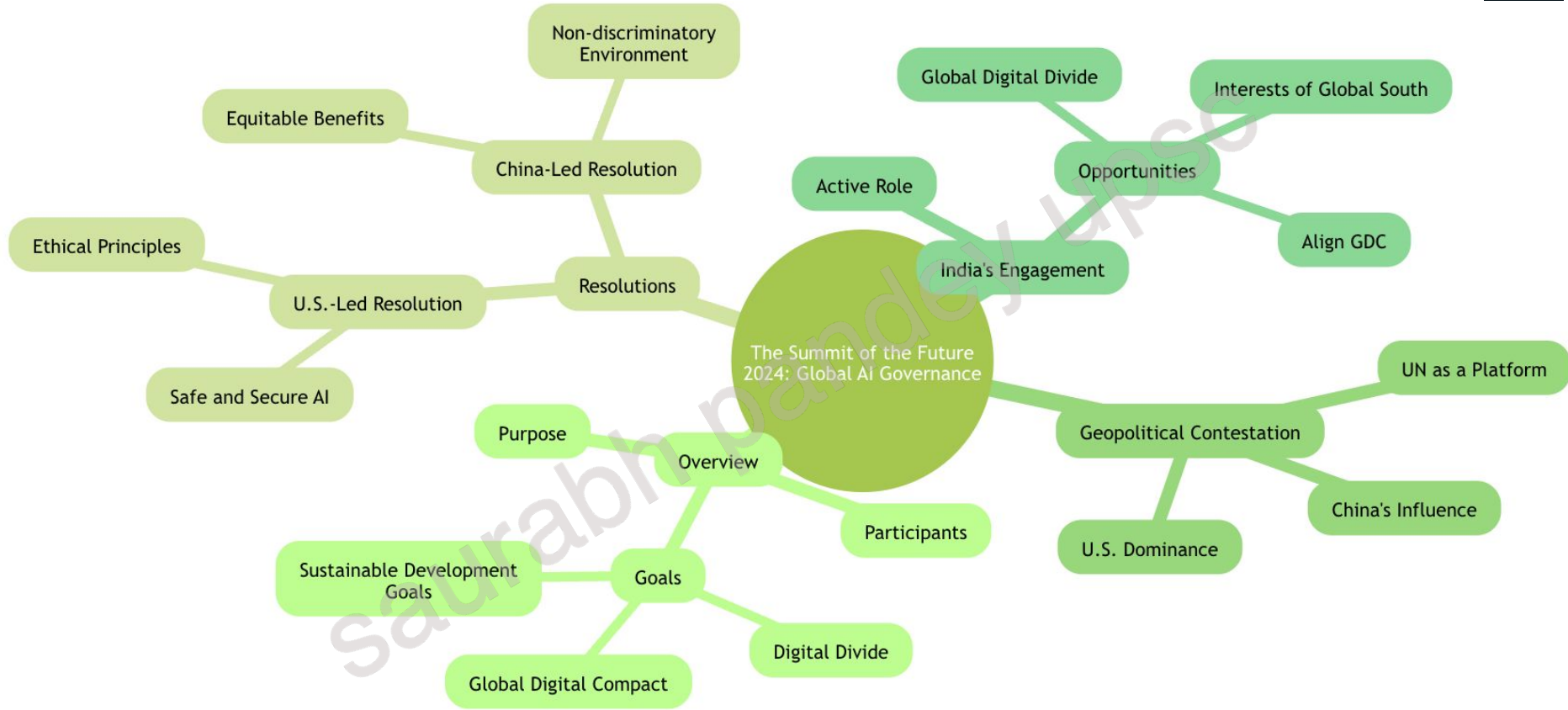
Active Role: Historical involvement at the UN and G-20.

Opportunities:

Align GDC with developmental priorities.

Address the global digital divide.

Commit to the interests of the Global South.



India's Role in Global Climate Negotiations



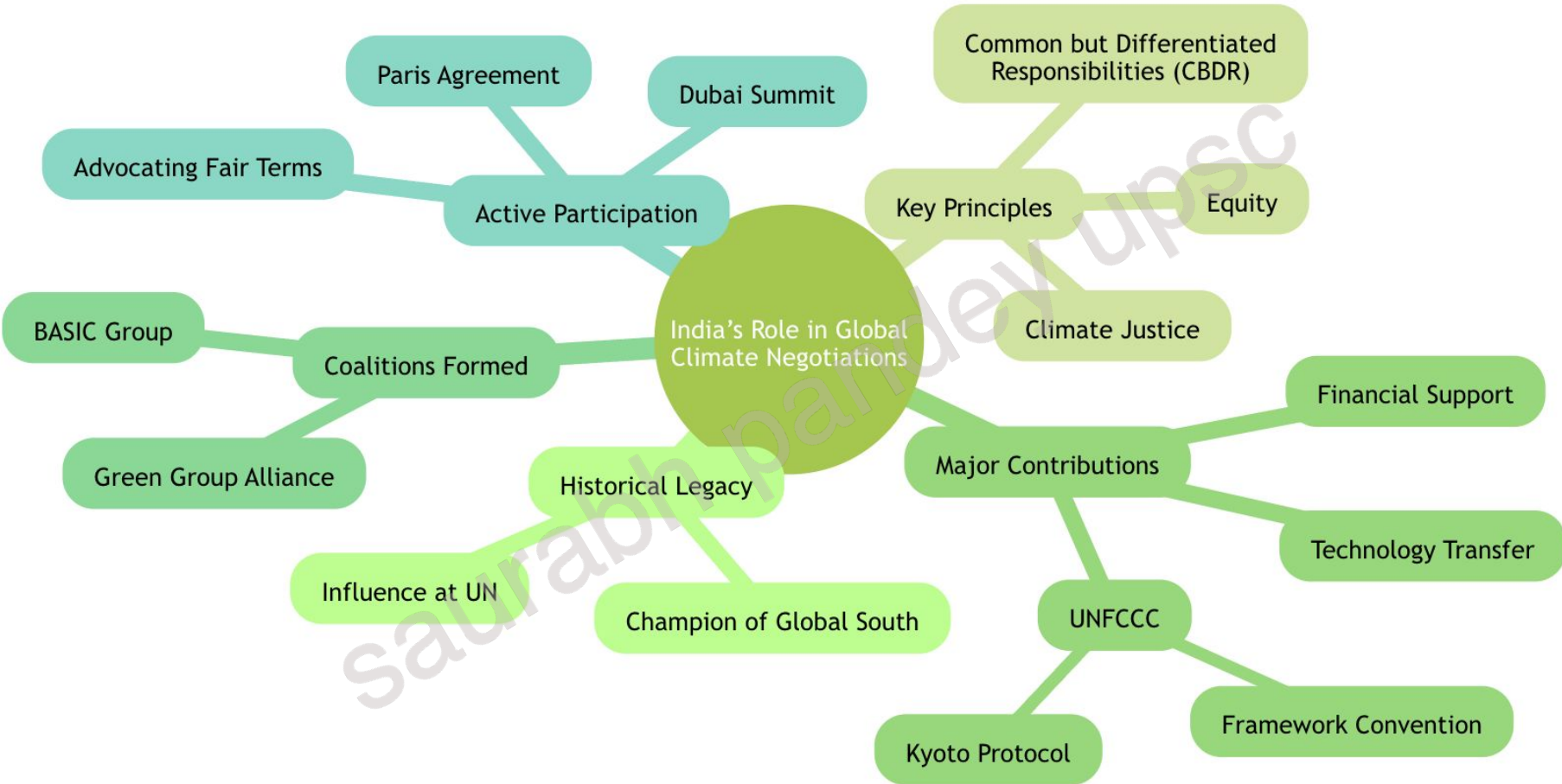
Overview

Historical Legacy: Deep influence at the UN and champion of Global South issues 🌍

Climate Justice: Advocated for equity and justice in climate action



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India's Role in AI Governance for the Global South

Overview

India as a pivotal player in Global South negotiations on AI.

Challenges faced include:

Lack of advanced computing infrastructure 

Insufficient high-quality data sets 

Limited capital 

Objectives..> Ensure AI governance discussions include:

Equity 

Accessibility 

Fairness 

Achievements

Successful advocacy at international platforms:

G-20 New Delhi Leaders Declaration 🌐

GPAI Ministerial Declaration 📄✍️

UN Engagement

Leverage UN's legitimacy to amplify concerns:

Uphold Universal Declaration on Human Rights 📜

Align with Sustainable Development Goals (SDGs) 🌱

Strategic Actions

Promote equitable access to AI technology:

Build technical capacity 

Establish knowledge-sharing mechanisms 

Redefine the multi-stakeholder model:

Include marginalized voices from the Global South.

Create accessible platforms for smaller NGOs and enterprises.

Advocacy

Push for an inclusive approach to AI governance:

Respect human rights 🕊️

Align with international laws and standards ⚖️

Future Directions

Ensure AI systems are:

Inclusive 🌈

Fair ⚖️

Representative of diverse perspectives 🌍

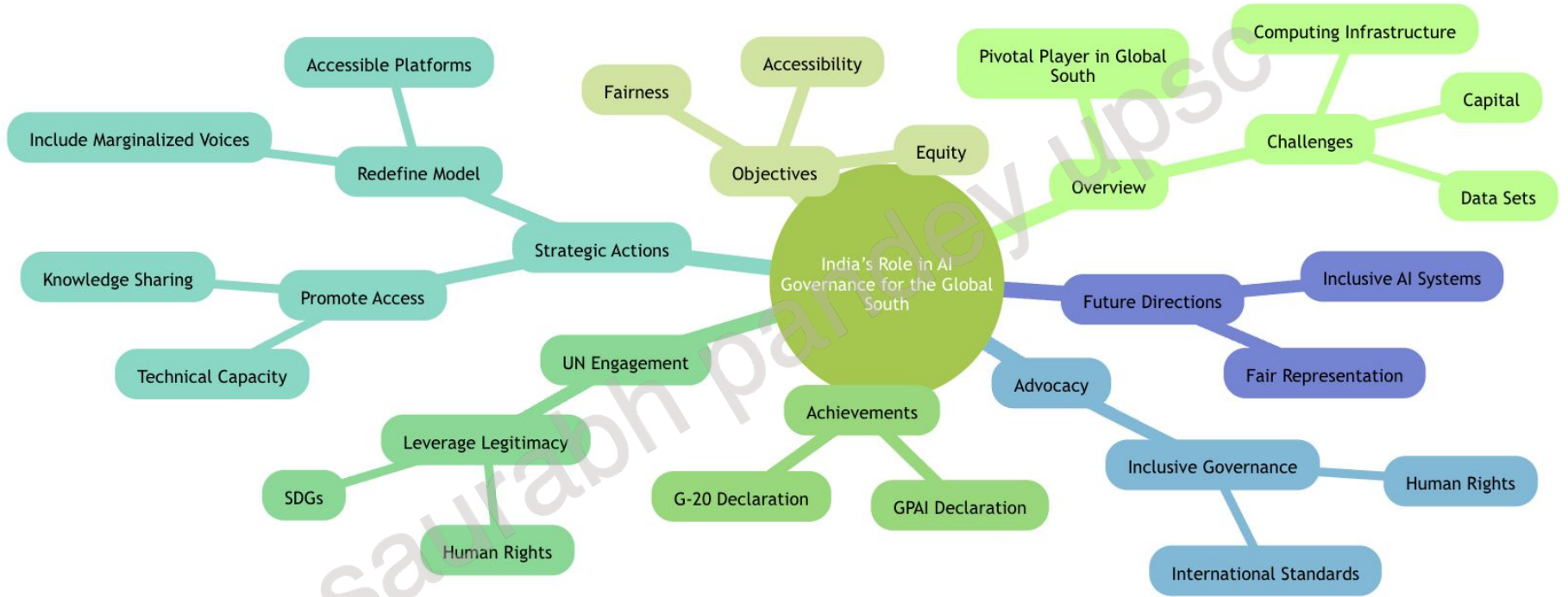


figure 1.2: table

Addressing AI Governance Challenges for the Global South



Key Points

Bipolar Dynamics: U.S. and China shaping AI governance, sidelining Global South.

Resource Gaps: Developed countries vs. developing countries in AI advancements.

Infrastructure Needs: Essential resources like Internet access and electricity are lacking.

Localized Understanding: Need for context-specific approaches to AI governance.

India's Role: Advocating for the Global South with historical and strategic positioning.

Topic- Why is Google accused of being an illegal monopoly?

- Google, the leading American technology company best known for its popular search engine, has lost a Court case filed against it by the U.S.
- Department of Justice in 2020 accusing the company of being an illegal monopoly.
- Google pays billions of dollars each year, as a share from its advertisement revenues, to device manufacturers such as Apple, Samsung etc. to be featured as the default search engine in their devices.
- Supporters of Google note that there is nothing wrong with Google sharing ad revenues with device manufacturers such as Apple and Samsung.
- In their view, the practice of paying to be featured as the default search engine is no different from a company buying key real estate space to gain better visibility.

Topic-the Harm Principle of Liberty by John Mill

Overview of the Harm Principle

The Harm Principle states that individuals should be free to act as they wish unless their actions cause harm to others.

Key concepts:

Liberty: The state of being free within society.

Harm: Actions that negatively affect others.

Topic- China Hits Canada with Anti-Dumping Probe

Overview

Event: China initiates an anti-dumping investigation.

Target: Canadian canola imports.

Reason: Retaliation against Canada's electric vehicle (EV) tariffs.



Topic- All About the International Criminal Court (ICC)



Overview

Purpose: Prosecute individuals for international crimes

Established: 2002 by the Rome Statute

Jurisdiction: Genocide, war crimes, crimes against humanity

Key Functions:

Investigate: Conduct investigations into alleged crimes

Prosecute: Bring cases against individuals

Prevent: Deter future crimes through accountability

Types of Crimes:

Genocide: Intent to destroy a national, ethnic, racial, or religious group

War Crimes: Violations of the laws of war

Crimes Against Humanity: Widespread or systematic attacks against civilians

The ICC aims to end impunity for perpetrators of serious crimes and to promote justice and accountability globally.

Current Events

Putin's Arrest Warrant: ICC issued a warrant for Vladimir Putin concerning the Ukraine conflict.

Member States: Reactions from ICC member states like Mongolia regarding arrest demands.

International Relations: Impact of ICC actions on global diplomacy and state relations.

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