

Enigma of Increasing Investment in AI despite its fear

1. INTRODUCTION

- Substantial rise in development and use of artificial intelligence across the globe.

Thesis:

Investment in AI has been increasing through its integration within ^{one's} personal and professional life, including sectors of education and health, despite its fears of data protection, unregulated use and ~~the~~ environmental costs.

2. CONTEXTUALIZING THE HISTORY AND RISE OF AI

3. INCREASING INVESTMENT IN AI DEVELOPMENT

3.1 Creation of advanced AI models and chatbots

→ Chatgpt, Deepseek

3.2 Collaboration between AI and service delivery firms

→ \$1 Billion deal between Amazon and OpenAI company

3.3 Improved learning and tutoring softwares employed in educational

institutes

→ Teaching modules in low income countries like Uganda

3.4 Enhancement of AI integrated health facilities

→ Diagnosis and care recommendation softwares in South African hospitals

3.5 New tools for increased efficiency and productivity in management firms

→ Personalized chatbots for McKinsey employees

3.6 Platforms developed for use within entertainment and advertisement industry

→ Gemini tool for making movies

3.7 AI led public service delivery mechanism

→ Hotspots identification and vaccine delivery during Covid

3.8 Smart digital banking initiatives and infrastructure

→ AI driven cash transfers in Togo

AMID

4. FEARS OF AI DEVELOPMENT AND INVESTMENT

4.1 Privacy and data protection concerns

→ Susceptible to hacking and data leaks

DAY: _____

DATE: _____

4.2 Unregulated use and development

- AI in warfare and drone creation
- Used by terrorist organizations like ISIS

4.3 Unemployment concerns amid rapid integration

4.4 Huge environmental cost of development

- 650 kg of CO₂ released per model

5. RECOMMENDATIONS FOR SUSTAINABLE USE

5.1 International AI policy to regulate development

- UK & US 2023 Executive Order

5.2 Governance frameworks for alignment with ethical standards

6. CONCLUSION

- Persistent rise in innovation within artificial intelligence
- Strong regulations and policies required to ensure sustainable development amid increasing investment.

Rare Earth Minerals as the new global battlefield

INTRODUCTION

- Substantial growth in global demand for rare earth minerals
- Race over control of mineral resources

Thesis:

The increasing importance of rare earth minerals has created a new battlefield by inducing geopolitical, geoeconomic and geostrategic decisions by global powers for control over minerals supply

CONTEXTUALIZING THE SIGNIFICANCE OF RARE EARTH MINERALS

RARE EARTH MINERALS AS THE NEW GLOBAL BATTLEFIELD

3.1 Rise in global trade wars over mineral supply

→ 50% tariff imposed on China by the United States

3.2 Conflicts and unrest in mineral rich regions

DAY: _____

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→ Civil war in Sudan for control of its mineral reserves

3.3 Investments by global powers in mineral mining sectors to shore leverage over supply

→ US-Pak trade deal worth \$500 million

→ US-Japan deal for refining of rare metals

3.4 Growing presence of non state actors and proxy groups in mineral rich zones

→ BLA in Baluchistan to deter mining ^{sector} investment

3.5 Geopolitical tensions amid global mineral race

→ China strengthening claim over Taiwan over US presence in region

3.6 Rise in interventionist policies for control by over rare earth regions

→ Covert operations in Venezuela

3.7 Increased reliance on rare minerals for security and growth

→ Minerals critical for the defence sector

→ Powers AI infrastructure

3.8 Rare minerals serve as a tool for diplomacy

→ China controls 80% of world's critical metals supply

IMPLICATIONS OF THE NEW BATTLEFIELD

4.1 Increased damage to environment
by mining activities

4.2 Global conflicts pose a threat to
safety and security

→ Thousands dead as a result of
conflict in Sudan

4.3 Trade wars might escalate
into a world war

→ Rising tensions between the
US and China over mineral
supply

CONCLUSION

- The rising demand for rare minerals has opened a new battle front
- The global race for dominance carries implications for the security and safety of nations