

*Dial-Up to AI:
Perspectives, Impacts, & Challenges of the Internet in Bhutan*

by Ganga Ram Sharma

Disclosure: Personal Ramblings & nothing I say should be construed as an endorsement by my Employer



...Believe it or Not!

Perspective: How times have
Changed?

Evolving Content >
Network Demands

Dial-up > Ubiquitous High
Speed Accessibility -
Mobile Networks



More Users > More vectors
of cyber Attack & Targets

Value of information:
Cyber Attack Probability

Complex Network > Security
(Attack Surface) & Skills Sets

Internet Engineers: Early
Days & Now > Specialist
or Jack of all Trades?



Image Source: AI Content

Bhutan's Internet Usage Trends

Social Media - Chasing
the Likes, Views, Shares

Who are the Content
Creators?



Social Media

&

The Loss of Trust &
The Rise of Gullibility ??



Image Source: AI content

Last Chance !!



Social Media Influencing (er)

The rise of Experts on
“.....” *<fill in as required>*

Harmless vs Potentially
Lethal content & Risks

Copcats, deep fakes, and
the (ab)use of AI



How do we protect ourselves, our family members, our communities ,and users from such content, from scam or frauds & often wrong and dangerous information?

AI: Friend or Foe ?



Image Source: The Terminators

AI: Friend or Foe ?

Who is (not) using AI?

Information flows, Privacy,
IPR, Security > AI

AI Use & IPR Policies & the
case for Sovereign AI



Image Source: AI Generated & edited

AI & IPR

LLM Training materials

IPR of Intangible things

Publicly Accessible
information & IPR



Image Source: AI Generated & edited

AI: New Players for ... ?

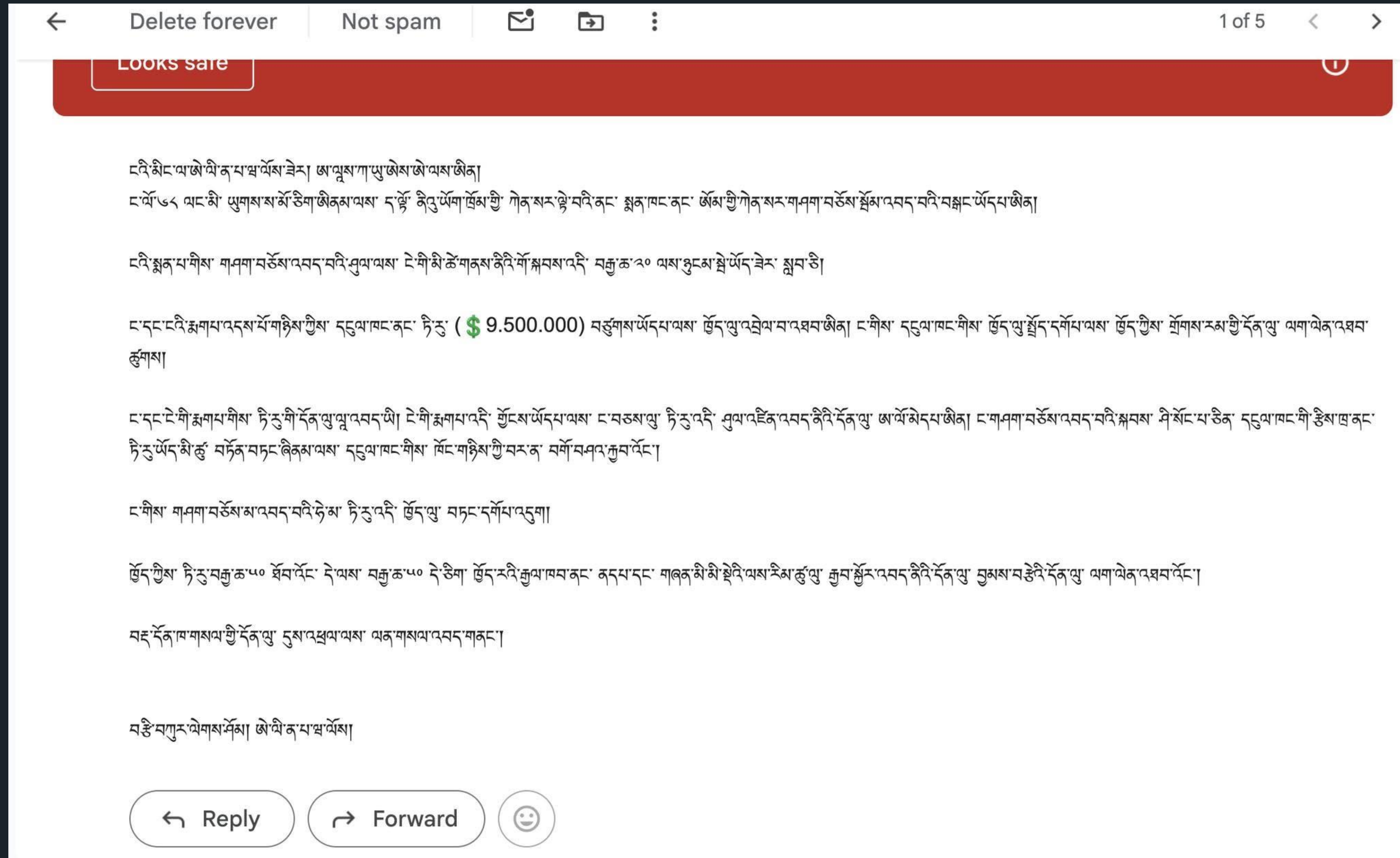


Image Source: Dr. TC Dorji FB Page



Image Source: AI content

AI & Cultural Appropriation?

Thank you for your attention