Eight web security keys of eMudhra leaked, prompting global patching

Eight private web security keys issued by Bengaluru-based eMudhra Ltd. were leaked, affecting digital certificates used by government portals and PSUs.

eMudhra Ltd. is a certifying authority that issues digital signature certificates and web security solutions used widely by government entities, public sector undertakings, and private organizations in India.

KEY EXAM POINTS

- Eight private web security keys belonging to **Bengaluru**-headquartered **eMudhra Ltd.** were leaked, impacting digital certificates.
- Many Indian government portals including **UIDAI** and the income tax filing portal utilize digital technology from eMudhra.
- The leaked keys are intermediate **SSL keys** used for issuing web security certificates.
- Global internet browser and **operating system** developers scrambled to patch their systems to untrust the affected certificates.
- Reports indicated that eMudhra's **root certificates**, which sit above the tier that was leaked, remained secure.

DID YOU KNOW..!?

Information Technology Act, 2000 governs the legal framework for electronic governance and digital signatures in India.

Controller of Certifying Authorities (CCA) regulates certifying authorities under Section 18 of the IT Act, 2000.

UIDAI was established in **January 2009** under the Planning Commission by the Government of India.

Aadhaar Act was passed as a Money Bill in the Parliament of India in **2016**.

SSL (Secure Sockets Layer) and **TLS** (Transport Layer Security) protocols provide secure communication over computer networks.

REVISION FLASHCARD

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Syllabus Relevance: Important for current events on cyber security, national digital infrastructure, and IT governance under Unit 2.

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