

GS-3 - SAT.

5. Trust building is the foundation for effective data management and Artificial Intelligence. Elaborate.

Nasscom report 'unlocking potential of data and Artificial Intelligence' - highlights - Artificial Intelligence has potential $\Rightarrow$ \$450-500 bn contribution to GDP by 2025. But to realise this, TRUST - important key; must be taken care of.

India's progress in Artificial Intelligence

1. Global & national Artificial Intelligence.
Vibrancy - Stanford university $\rightarrow$ India - top among
22 important countries - in Artificial Intelligence
talents
2. Research papers on Artificial Intelligence
has increased from $\frac{5000}{(2017)}$ to $\frac{12000}{(2022)}$.

Issues - Lacking factors.

Though with much of potential, startups are facing challenges of lack of trust, cost.

factor; privacy, & security of data risks. } → cultural acceptance is major challenge.

Government has ~~been~~ recognised the need for technologies for development. NITI Aayog in National ^{Strategy on} Artificial Intelligence. → aims to increase skilling, adopting and developing Artificial Intelligence.

measures

1. Government must support, entreprensis in instilling support to promote TRUST.
2. Artificial Intelligence risk management mechanism.
3. TRUST - important for both simple Autonomous Artificial Intelligence and complex one.

Corporates today are increasingly focussing on cost factor, but equal emphasis on 'TRUST GENERATION' is the immediate need