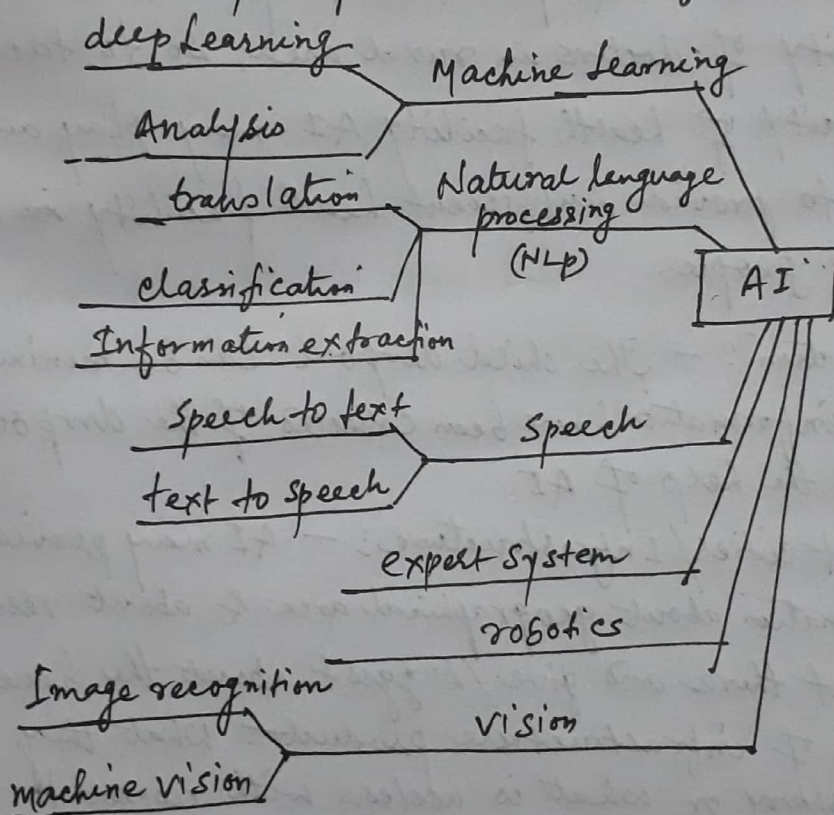


Q. Artificial Intelligence will revolutionize the agriculture education, health care, smart cities/infrastructure and transport sector in India. Mention the challenges also in widespread use of AI

Ans: Artificial Intelligence (AI) - It is basically those functioning of computer which act as a human being like visual perception, voice recognition, decision making, speech translation. etc.

In other words if work of human intelligence is taken by computer then it is referred as AI



Recently NITI Aayog has come up an ambitious discussion paper regarding implementation of AI ecosystem in India. This ambitious discussion paper talked about empowering five sector agriculture, education, health care, smart cities and transport sector.

AI may have great significance or might be revolutionize these five sector. let us briefly explain how AI might be play important role as far as these five sector is to be concern.

- (AI)
- ① Agriculture sector — It may play important role in doubling the farmer income by 2022. With the help of AI farmer may decide which fertilizer, how much fertilizer, in what-quantity should be used to get greater yield. AI may predict strength of rainfall, drought condⁿ and many other aspect-related to farming. It may provide technology such as ~~to~~ land irrigation to reduce loss of water, help to achieve "more crop per drop"
 - ② Health sector — As per data & report there is huge scarcity of doctors in rural area, so to tackle the scarcity of health facility AI may play an important role to provide sufficient health facility ~~is~~ to the needy people.
 - ③ Education: — The child dropout can be minimized if prior information have been collected of the dropout child with the help of AI
 - ④ Smart-cities/Infrastructure: — AI may provide the information about geographical area & about resources present there and give/suggest about the benefit & loss of infrastructure product. What thing is necessary or what is useless with respect to smart-city
 - ⑤ Transport: — AI might be helpful in minimizing the loss of time & money due to lack of transport facility & suggest corrective measure which is necessary for transport.

It is true that AI has very important role in the above five sectors but there are many challenges which may be listed as

- (i) paper estimate that around 50 AI researchers present in elite institution like IITs
- (ii) only around 7% of Indian AI professionals are trained
- (iii) India's low position in H-index is not encouraging
- (iv) India publish a lot but these publication are not impactful.

Conclusion: Though AI have great importance but still have lack of resources. Despite of being as developing country we can't stop our effort in this area, we have to move ahead, mobilize resources or fund or learn best practices from developed countries to do our best. gov should spend more more R&D & promote AI concept.