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# Topic wise content



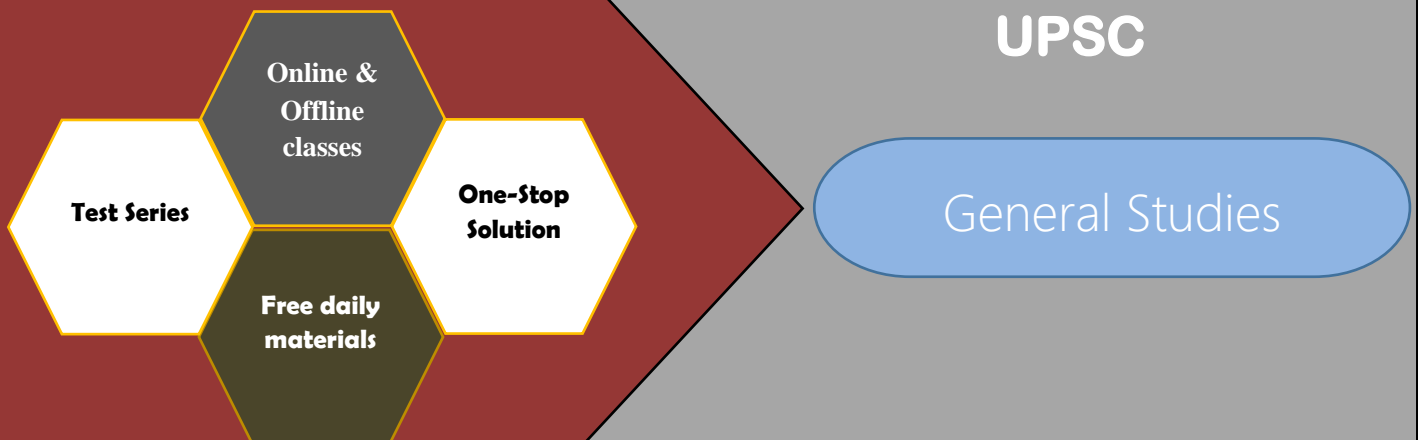
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## US India Artificial Intelligence Initiative

Notes for civil services preparation



## US India Artificial Intelligence Initiative

**US India Artificial Intelligence (USIAI)** initiative has been launched to scale up the science and technology relationship between India and the United States.

### Key Points

- **US India Artificial Intelligence (USIAI)** is an initiative of **Indo-US Science and Technology Forum (IUSSTF)** which was established in March 2000.
  - The Department of Science & Technology (DST), Government of India, and the U.S. Department of State are respective nodal departments for iusstf.
- The USIAI will focus on **AI cooperation** in critical areas that are priorities for both countries.
  - **Example:** Healthcare, smart cities, materials, agriculture, energy, and manufacturing.
- It will bring together key stakeholders from India and the United States to create synergies that address challenges and opportunities at the interface of science, technology, and society.
- This will provide an **opportunity to discuss the emerging AI landscape**, and address the **challenges of developing an AI workforce**.

### Related Recent Initiative:

- India has launched **National AI Strategy (NITI Aayog)** and **National AI Portal (Ministry of Electronics and Information Technology)** and has also started leveraging AI across various sectors such as education, agriculture, healthcare, e-commerce, finance, telecommunications, ect .
  - Recently **MyGov Corona Helpdesk Chatbot** bagged two awards under categories (1) “Best Innovation for Covid-19 – Society” and (2) “People’s Choice Covid-19 Overall Winner” at the recently held CogX 2020. CogX is a prestigious Global Leadership Summit and Festival of Artificial Intelligence & Emerging Technology held annually in London.
- Recently, India joined the '**Global Partnership on Artificial Intelligence (GPAI)**' as a founding member to support the responsible and human-centric development and use of AI.
- As per a recent report, India **reported a 45% increase in the use of Artificial Intelligence**, the highest among all countries, because of shift in buying behaviour and new business challenges (owing to Covid-19 pandemic).
- **RAISE 2020 – ‘Responsible AI for Social Empowerment 2020’** was jointly organised by the **NITI Aayog** and the Ministry of Electronics and Information Technology (**MeitY**).

- **Vaishwik Bhartiya Vaigyanik (VAIBHAV) Summit** was organised in 2020 to discuss key areas like quantum technologies, artificial intelligence among others.

### Artificial Intelligence

- It describes the **action of machines accomplishing** tasks that have historically required human intelligence.
- It includes technologies like **machine learning, pattern recognition, big data, neural networks, self algorithms ect .**
- AI is different from hardware driven robotic automation. Instead of automating manual tasks, AI performs frequent high volume computerised tasks reliable.
- AI is often misunderstood for machine learning. AI is a **broader concept** with a bunch of technologies that include machine learning and other technologies like natural language processing, inference algorithms, neuron networks etc. .
- AI techniques now have become an essential part of the technology industry helping to solve many challenging problems in computer-science. From **Apple Siri to self driving cars**, AI is progressing rapidly.

