

## Global Centre for Nuclear Energy Partnership

**Prelims:** *Current events of national and international importance| General Science.*

### Why in News?

Recently, Global Centre for Nuclear Energy Partnership (GCNEP) established as 6<sup>th</sup> Research & Development Unit under the aegis of Department of Atomic Energy (DAE).

- **Established in** - 2010, in Haryana.
- **Aim** - To encourage international collaboration with countries and agencies like International Atomic Energy Agency (IAEA).

*The **International Atomic Energy Agency** is the world's central intergovernmental forum for scientific and technical cooperation in the nuclear field.*

- **Vision** - To promote safe, secure and sustainable nuclear energy research & development, and capacity-building.
- **Mission** - To conduct research, design and development of nuclear systems that are intrinsically safe, secure, proliferation resistant and sustainable.
- To organize training, seminars, lectures and workshops on topical issues by Indian and International experts.
- To promotes collaborative Research and Training Programs.

### Five Schools Specializing under GCNEP

- School of Advanced Nuclear Energy System Studies (SANESS)
- School of Nuclear Security Studies (SNSS)
- School on Radiological Safety Studies (SRSS)
- School of Nuclear Material Characterization Studies (SNMCS)
- School for Studies on Applications of Radioisotopes and Radiation Technologies (SARRT)

## Mandate of Global Centre for Nuclear Energy Partnership

- Promoting the development of advanced, more proliferation resistant nuclear power reactors.
  - Development of enhanced nuclear safeguards and training manpower in the field of nuclear and radiological safety.
  - Educating in the field of advanced nuclear energy systems, isotopes and radiation technologies, nuclear forensic.
  - Establishing accreditation facilities for radiation monitoring.
- 
- **Global collaborations** - It has MoUs with 17 international agencies/ countries including IAEA.
  - It has been conducting several on-campus international programs since 2017.
  - **Importance** - It will help in capacity building, in association with the interested countries and the IAEA, involving technology, human resource development, education & training and giving a momentum to R&D in enlisted areas.

***Department of Atomic Energy (DAE)*** was set up under the direct charge of the Prime Minister through a Presidential Order in 1954.

## References

1. [PIB| Global Centre for Nuclear Energy](#)
2. [Department of Atomic Energy| Vision of GCNP](#)