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 6th 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

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