

National Genomic Grid(NGG)

April 17, 2020

Why in news?

The government recently announced that the national genome grid would be setup.

What is this?

- It will study genomic data from Indian cancer patients.
- **The project will collect samples from cancer patients with their permission** by bringing all cancer treatment institutions on board through a network of pan-Indian collection centres.
- The grid to be developed will be consistent with the National Cancer Tissue Biobank (NCTB) established at the Indian Technology Institute in Madras.

NCTB

- **The Department of Sciences and Technology (DDST), the Government of India and the Indian Institute of Technology, Madras,** are joint initiatives for National Cancer Tissue Biobank (NCTB).
- The samples collected will aid in cancer research, diagnosis, treatment, etc.
- This research is conducted by the genome sequencing technique.
- The Government **aims to** improve cancer research and make treatment feasible for individuals of various economic groups through the National Genomic Grid.
- **NGG aims to research cancer-related genetic factors** and determines the appropriate approach to care for the Indian population.