Ultraviolet-C Disinfection Technology

- The Union Ministry for Science and Technology has informed that Ultraviolet-C or UV-C Disinfection Technology will soon be installed in Parliament for the mitigation of airborne transmission of SARS-COV-2. **The UV-C air duct disinfection system was developed by CSIR-CSIO (Central Scientific Instruments Organisation).**
- The system is designed to fit into any existing air-ducts. **The technology has been developed according to the requirements for deactivation of SARS COV-2 virus contained in an aerosol with necessary ventilation measures, necessary safety and user guidelines and tested Bio-safety standards etc.**
- UV-C deactivates viruses, bacteria, fungus and other bio - aerosols etc. with appropriate dosages using 254nm UV light. **The virus is deactivated in any aerosol particles by the calibrated levels of UV-C light.** It can be used in auditoriums, malls, educational Institutions, AC buses, and railways.
- **UV radiation is the portion of the Electromagnetic spectrum between X-rays and visible light.**The most common form of UV radiation is sunlight, which produces three main types of UV rays: UVA, UVB and UVC.UVA rays have the longest wavelengths, followed by UVB, and UVC rays which have the shortest wavelengths.