Prelim Bits 11-11-2018

Global IT Challenge for Youth with Disabilities 2018

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- It is a three-day event organised in Delhi by Ministry of Social Justice and Empowerment in association with Rehabilitation International Korea.
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- Youth with disabilities from 18 countries have participated in the event.
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- India has been participating in the event since 2013.
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- It is to leverage IT skills among youth with disabilities and to spread awareness about the application of ICT in enhancing the quality of life of persons with disabilities.
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- It is a capacity building project that helps youth with disabilities to overcome their limitations.
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Global Cooling Innovation Summit

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- It is going to be inaugurated by Ministry of Science and Technology in New Delhi.
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- It is a first-of-its-kind solution focussed event to explore ways to address the climate threat that comes from the growing demand from room air conditioners.
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- **Global cooling prize -** Mission Innovation challenge will be launched in this summit.
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- It aims to spur development of a residential cooling solution that has at least five times less climate impact than today's standard.
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- The objective of the competition is to develop a cooling technology that

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1. Requires radically less energy to operate,
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2. Utilizes refrigerants with no ozone depletion potential and with low global warming potential, and
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3. Cost-effective at scale.
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- It is organised by Union Ministry of S&T along with Rocky Mountain Institute, Alliance for An Energy Efficient Economy (AEEE), Conservation X Labs and CEPT University.
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Strategic Petroleum Reserve

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- Union Cabinet has recently approved the filling of Padur strategic petroleum reserve by overseas national oil companies.
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- Strategic petroleum reserves are essentially huge stockpiles of crude oil to keep the wheels of the country running in crunch situations.
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- This is because the government has to stay prepared with emergency stores of crude oil to tide over severe supply shocks of this critical fuel.
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- India’s strategic crude oil storages are currently located at Visakhapatnam in A.P, Mangaluru, Padur in Karnataka.
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- The government has given in principle approval to reserve at Chandikhol in Odisha.
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Click here to know more about the reserve

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Ralph

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- It is a space instrument launched by NASA to explore outer solar system.
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- It was first launched aboard the New Horizons spacecraft in 2006.
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- It revealed images of Jupiter and its moons and Pluto.
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- In 2021, Ralph is set to journey with the Lucy mission to Jupiter’s Trojan asteroids.
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- It will study this diverse group of bodies and will detect trojan asteroid’s chemical foot prints.
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- It allows scientists to interpret data provided by the Sun’s reflected light that are the fingerprints of different elements and compounds.
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Lucy Mission

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- Lucy is NASA’s robotic mission to explore asteroids.
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- IT will explore the environment of Jupite's Trojan asteroids
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- Lucy will be the first space mission to study the Trojans and it will be launched in 2021.
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- Trojans are bodies that are present in Lagrange points.
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Source: The Hindu, PIB

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