# Prelim Bits 12-02-2017

## Exo-Atmospheric Interceptor Missile

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- An indigenously developed exo-atmospheric interceptor missile, named Prithvi Defence Vehice (PVD) Interceptor Missile, successfully destroyed an incoming target missile mimicking an enemy ballistic missile at a height of over 50 km.
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- The weapon systems radars have detected and tracked the target.
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- The mission computer predicting the trajectory of the target has launched the interceptor missile from Dr. Abdul Kalam Island.
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- The whole operation was without man in the loop.
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- It demonstrates the capability of India’s Ballistic Missile Shield,
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- Only 4 countries have this similar capability viz U.S, Russia, China & Israel.
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## Thor experiment

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- Between 10 and 100 kilometres in the atmosphere, the interaction between charged particles produces a variety of dazzling electric phenomena like blue jets and red sprites.
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- The Thor experiment investigates the electrical activity from thunderstorms by looking at them with a thundercloud imaging system from the vantage point of the International Space Station.
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- The key aims of the study include understanding how these discharges influence water vapour levels, cloud formation, and eventually changes in climate.
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## Arc

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- ‘Arc’ is a Green Building Performance Monitoring Platform developed by the US Green Building Council (USGBC)
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- The Indira Gandhi International Airport (IGIA), Delhi has adopted first-of-its-kind ‘Arc’ for Terminal 3.
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- It is already operational and the adoption of "Arc" is in line with the continued focus on Environment Sustainability and is aligned to make Delhi a Smart airport.
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