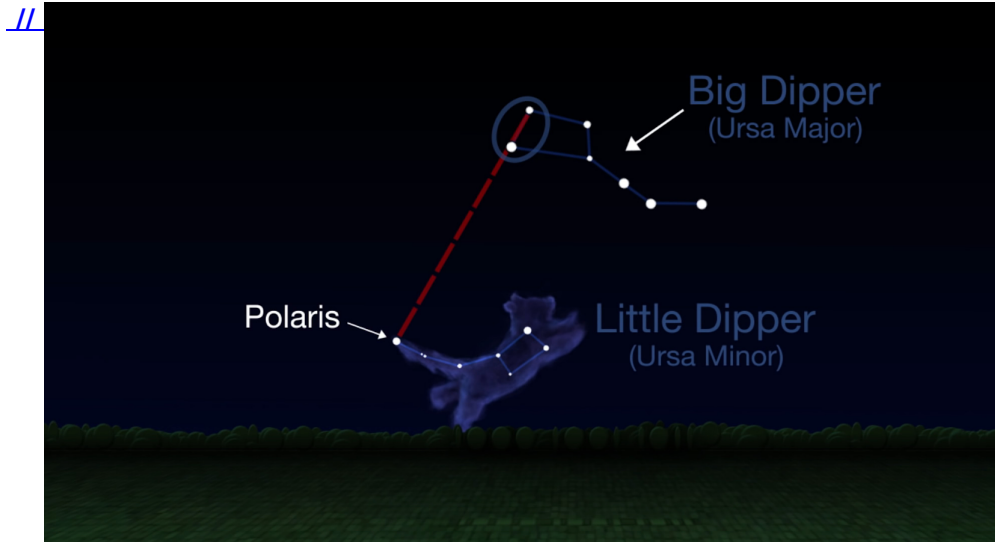




Rapid Fire Current Affairs

North Star



Polaris, known as the **North Star/Pole Star**, is a very bright star (**~2,500 times more luminous** than the Sun) and is **part of the constellation Ursa Minor** (~323 LY away from the Earth).

Polaris is less than 1° away from the north celestial pole, almost in direct line with the Earth's rotational axis, therefore, it **appears to sit motionless in the northern sky** with all the other stars appearing to rotate around it. Its position and brightness have allowed **humans to use it for navigation since late antiquity**. The elevation of the star above the horizon gives the approximate latitude of the observer. However, **upon crossing the equator to the south, the North Star is lost over the horizon**, and hence **stops being a useful navigational aid**.

Polaris seems to have been **first charted by the Roman mathematician/astronomer Ptolemy** (165 - 85 BC).

As per NASA, **"North Star" is "a title that passes to different stars over time"**; as the Earth's axis of rotation wobbles, the celestial pole "wanders in a slow circle over the eons, sweeping past different stars". **About 14,000 years ago, the celestial pole pointed towards the bright star Vega**, and "it will again point to Vega in about 12,000 years".

Naval LCA Lands on INS Vikrant

INS VIKRANT REBORN

India's First Indigenously-Built Aircraft Carrier

VITAL STATS

- ₹20,000 Crore Cost
- 45,000 tonnes Weight
- 262 metres Length
- 62 metres Width
- 28 knots Top Speed
- 2,300 Compartments
- 1,700 Crew Strength

DID YOU KNOW?


- Flight deck is the size of two football grounds
- 8 power generators enough to light up Kochi city

AIR POWER TO BE DEPLOYED

- MiG-29K Fighter Jets
- Kamov-31 Helicopters
- MH-60R Multi-role Helicopters

TOP FEATURES

- First aircraft carrier to be constructed in India
- Largest warship to be built in India
- Has capacity to operate 30 aircraft
- 15 decks, multi-speciality hospital, pool
- Specialised cabins for women officers



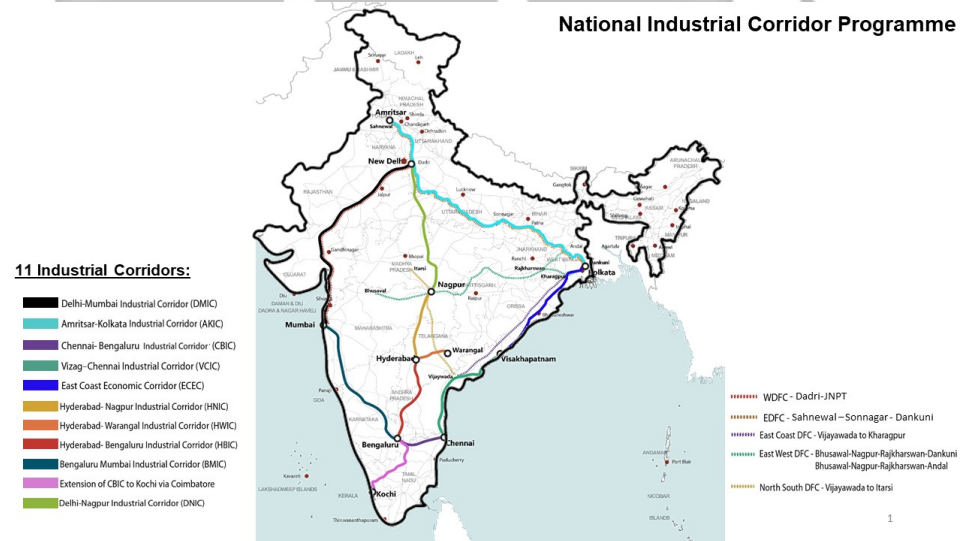
The Naval variant of India's indigenous [Light Combat Aircraft \(LCA\)](#) made its **maiden landing on board the INS Vikrant**, marking a milestone towards the **Navy's self-reliance plans**. This was followed by a landing and take-off by a **twin-engine MiG-29K fighter jet** (Russian origin).

INS Vikrant, India's first indigenous aircraft carrier commissioned in Sept 2022, is currently in the process of getting operationalised.

In Jan 2020, [DRDO](#) demonstrated a successful landing of Naval LCA on **INS Vikramaditya** along the lines of which the DRDO is in the process of developing a **Twin Engine Deck- Based Fighter (TEDBF)** for INS Vikrant.

Read More - [INS Vikrant](#)

Southern India's First Industrial Corridor Project



The Prime Minister of India laid the foundation stone of **southern India's 1st Industrial Corridor Project** to be implemented at **Tumakuru**, spread over 8500 Acre of land, under the [Chennai-Bengaluru Industrial Corridor](#).

The Tumakuru Industrial Township has been **planned in line with the principles of PM-GatiShakti** to ensure last mile multimodal connectivity to the economic zone.

The Govt of India (via **NICD and Implementation Trust**) and the Govt of Karnataka are developing the Industrial Township at Vasanthanarasapura in 3 phases in Tumakuru district through the **project Special Purpose Vehicle (SPV)**.

Under the **National Industrial Corridor Development (NICD) Programme**, 32 greenfield industrial smart cities under 11 industrial corridors are being developed with world class Plug-n-Play infrastructure.

Read More - [PM Gati Shakti](#)

Yuva Sangam Portal

The **“Yuva Sangam” registration portal** was recently launched at Indira Gandhi National Centre for the Arts (IGNCA), New Delhi.

Yuva Sangam is an initiative to build close ties between the **youth of the Northeast Region** and the **rest of India** under the spirit of Ek Bharat Shreshtha Bharat. Under this initiative, over 20000 youth will travel across India and gain a **unique opportunity of cross-cultural learning**. The program is an **opportunity for the youth of NER to see India**.

Read More - [North-East India](#)

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