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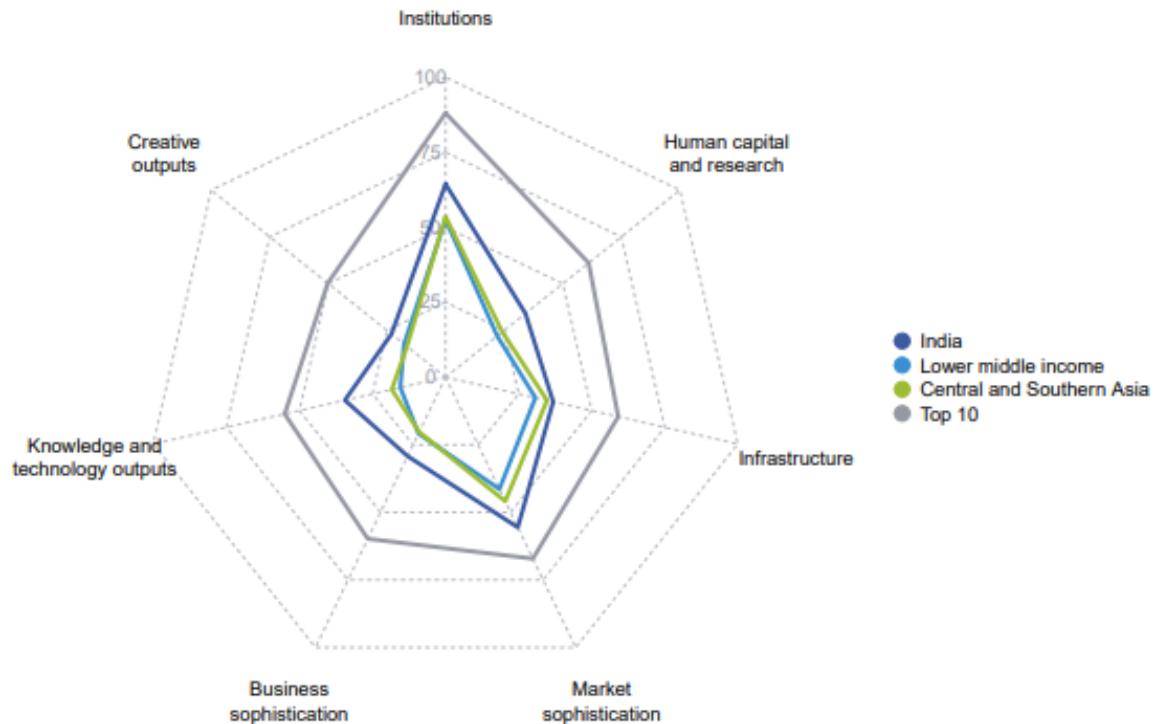
Global Innovation Index 2021

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Why in News

Recently, India has climbed two spots and has been ranked **46th** in the **Global Innovation Index (GII) 2021 rankings.**

The seven GII pillar scores for India



Key Points

- **Global Innovation Index (GII) 2021:**

- **About:**

- **Launch:** The GII is launched by the World Intellectual Property Organization (WIPO), a specialized agency of the United Nations.

The GII aims to capture the multi-dimensional facets of innovation ranking and rich analysis referencing around **132 economies**.

- **Partnership:** It is published in **partnership with the Portulans Institute and other corporate partners:**

The Brazilian National Confederation of Industry (CNI), Confederation of Indian Industry (CII), Ecopetrol (Colombia) and the Turkish Exporters Assembly (TIM).

- **Indicators:** The index ranks world economies according to their innovation capabilities and consists of roughly 80 indicators grouped into **innovation inputs** and **outputs**.

- **Innovation inputs:** Institutions; Human capital and research; Infrastructure; Market sophistication; Business sophistication.
 - **Innovation outputs:** Knowledge and technology outputs; Creative outputs

- **Global Performance:**

- **Top Five:** Switzerland, Sweden, U.S., and U.K. continue to lead the innovation ranking, and have all ranked in the top 5 in the past three years. The **Republic of Korea** joins the top 5 of the GII for the first time in 2021.
 - **Asian Countries:** Four Asian economies feature in the top 15: **Singapore (8), China (12), Japan (13) and Hong Kong, China (14)**.

- **India's Performance:**

- India has been on an upward trajectory over the past few years in the GII. India has shot up from a rank of 81 in 2015 to 46 in 2021.
 - India performs better in **innovation outputs** than **innovation inputs** in 2021.
 - This year India ranks **57th in innovation inputs**, the same as last year but higher than 2019.
 - As for innovation outputs, **India ranks 45th**. This position is the same as last year but higher than 2019.
 - India **ranks 2nd** among the **34 lower middle-income group economies**.
 - India **ranks 1st** among the **10 economies in Central and Southern Asia**.
 - The government attributed the country's improved performance to the departments of atomic energy, science and technology, biotechnology and space.

- **Other Findings from the GII 2021:**
 - **Investments in innovation** reached an **all-time high** before the pandemic with R&D growing at an exceptional rate of 8.5% in 2019.
 - **Government budget allocations** for the top R&D spending economies showed continued growth in 2020.
 - The **publication of scientific articles worldwide grew by 7.6%** in 2020.
 - **India, Kenya, the Republic of Moldova, and VietNam** hold the record for **overperforming on innovation** relative to their level of development for the 11th year in a row.

Note

The India Innovation Index has been developed by NITI (National Institution for Transforming India) Aayog on the lines of the GII.

- The index goes beyond traditional approaches by considering the best parameters in measuring innovation such as **patents per million of population, publication in scientific journals, percentage of GDP spending on research.**
- It also adds parameters that are specific to the Indian economy (eg. Demographic dividend), to give it a more holistic coverage.

Source: PIB