02 June 2021: PIB Summary & Analysis

TABLE OF CONTENTS

1. Telangana State Formation Day

Context:

PM extended best wishes to the people of Telangana on the state's Formation Day.

To know more about Telangana formation, check This Day in History dated June 2.

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2. Cabinet approves MoUs

Union Cabinet approved the following MoUs/agreements signed by India:

1. Between **India and Maldives** on cooperation in the field of sustainable urban development.
   a. The MoU was signed in February 2021.
   b. The objectives of the MoU are to facilitate and strengthen India-Maldives technical cooperation in the field of sustainable urban development including Urban Planning, Smart Cities Development, Solid waste management, Affordable housing, Urban Green Mobility, Urban Mass Rapid Transport, smart cities development and any other related area.
2. Agreement between all member states of the **Shanghai Cooperation Organisation (SCO)**.
   a. The Agreement signed in June 2019 has been signed and ratified by India.
   b. The Agreement shall promote equal and mutually beneficial cooperation among associations in the field of Mass Media.
3. Between **India and Argentina** on cooperation in the field of Mineral Resources.
   a. The objectives of the MoU are to strengthen the activities involved like cooperation for encouraging minerals exploration and development, including extraction, mining and beneficiation of lithium; possibilities of forming joint venture in the field of base metals, critical and strategic minerals for mutual benefit; exchange of technical and scientific information and interchange of ideas and knowledge; training and capacity building; and promotion of investment and development in the area of mining activities.
4. Memorandum of Cooperation between **India and Japan** in the field of sustainable urban development.
   a. The objectives of the MoC are to facilitate and strengthen India-Japan technical cooperation in the field of sustainable urban development including Urban Planning, Smart Cities Development, Affordable Housing (including rental housing), Urban Flood Management,

Sewerage and Waste Water Management, Intelligent Transport Management System, Transit-Oriented Development, Multimodal Integration, Disaster Resilient development and other areas as mutually identified by both sides.

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3. India Cycles4Change

Context:

Cities across the country are embarking on the 'India Cycles4Change' movement as it gains momentum.

Know more about the India Cycles4Change challenge in PIB dated July 10, 2020.

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4. XraySetu

What is XraySetu?

- It is a new AI-driven platform that can help in early intervention through rapid screening of COVID-19 with the help of Chest X-ray interpretation over WhatsApp for doctors who have access to X-ray machines.
- The solution can work with low-resolution images sent via mobiles.
- It is quick and easy to use and can enable detection in rural areas.

Background:

- As the pandemic rages on in the rural areas, it is critical to drive rapid testing, contact tracing and create dedicated containment zones.
- Even in some cities, these tests take over a week to give results; the situation is even more challenging in rural India.
- Easy alternative tests are necessary as RT-PCR tests also give a 'false negative' for some variants.

Who created XraySetu?

- It has been developed by ARTPARK (AI & Robotics Technology Park) in collaboration with Niramai and the Indian Institute of Science (IISc), Bengaluru.
    - ARTPARK is a not-for-profit foundation established by IISc with support from the GOI's Dept of Science & Technology (DST).
    - Niramai is a Bangalore-based healthtech startup.

How XraySetu functions:

- The doctor can visit www.xraysetu.com and click on the 'Try the Free XraySetu Beta' button.
- The platform will then redirect the person to another page, wherein he or she can choose to engage with the WhatsApp-based chatbot via web or smartphone application.

- Alternatively, the doctor can also send a WhatsApp message to a mentioned phone number to start the XraySetu service.

- Then they just need to click the picture of the patient's X-ray and obtain the 2-page automated diagnostics with annotated images in a few minutes.

- While extending the probability of the COVID-19 contraction, the report also highlights a localized heatmap for a quick perusal for the doctor.

- The solution has a sensitivity performance of 98.86% and specificity performance of 74.74%.