



7 February 2024

Telangana State Regional News

<p>Two patents for University of Hyderabad</p>	<p>Context:</p> <ul style="list-style-type: none"> • The University of Hyderabad's (UoH) School of Physics has achieved a remarkable feat by garnering two patents for pioneering inventions in the realm of microwave technology <p>About:</p> <ul style="list-style-type: none"> • Professors K.C. James Raju and V. Seshubai, along with their students T. Anil and Swarup Raju, have been awarded a patent for a novel method to make "high temperature ceramics to be shaped into any 3D geometric structures by gel casting" • This technique will help make miniaturized antennas suitable for emerging communication applications. • Another patent was granted to Mr. James Raju and his team for a new laser-based method to "crystallize ferroelectric thin film at 300 degree C temperatures for tunable microwave devices." • This process could reduce the crystallization temperature of some functional thin film materials meant for microwave device applications from 700 to 300 degree C.
<p>Telangana may have to mop up 50% more than its tax income</p>	<p>Context:</p> <ul style="list-style-type: none"> • Having a higher share of own tax income for any state indicates a robust economy but higher budget needs can bog down the feel-good factor. • With huge fund requirements, the state may have to mop up 50% more than its own tax income. • Along with Telangana, Delhi, Gujarat, Haryana, Karnataka, Kerala, Maharashtra and Tamil Nadu are estimated to raise 50% of their receipts through their tax revenue. • Some possible reasons for a state's budget needs exceeding its tax income include: <ol style="list-style-type: none"> 1. Infrastructure development projects 2. Social welfare programs 3. Natural disasters or other emergencies 4. Economic slowdown



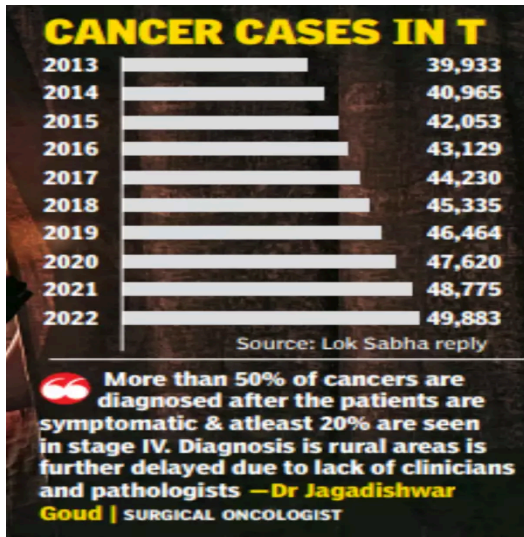
Daily Current Affairs Encyclopedia

Hyderabad set to host India's FIFA World Cup qualifiers against Kuwait on June 6

Context:

- In a first, **Hyderabad is set to host the FIFA World Cup qualifiers match between India and Kuwait on June 6**
- It was confirmed by **GP Palguna**, the secretary of Telangana Football Association.

Cancer cases rise in state, end-stage care in the pits



Context:

- With the **cancer caseload in Telangana reaching 50,000 a year (2022)**, doctors say that **dealing with patients in stage four of the disease is becoming a critical issue.**
- This is also the **reason why the theme of this year's World Cancer Day is "Bridge the gap in care-giving"**

About:

- **Telangana, and the rest of the country, lack key ortho-oncologists who specialize in treating not only bone cancers but also assisting patients in the last stages of cancer.**
- **In 80% of cancer types, the fourth state leads to bone-related issues** causing deep pain and caregivers become fatigued.

TSFDC organizing ecotourism camps

Context:

- The **Telangana State Forest Development Corporation (TSFDC)** organizes ecotourism camps to promote responsible tourism and connect people with nature.
- **Thirty students** from the **Sarojini Naidu Vanitha Maha Vidyalaya's Animal Welfare Club** participated in a nature camp organized by the TSFDC in the Forest Trek Park, Chilkur Reserve Forest block

About:

- These camps aim to provide a **unique and educational experience** while minimizing environmental impact.
- The **TSFDC ensures responsible practices like using eco-friendly equipment**, minimizing waste generation, and promoting respect for the environment

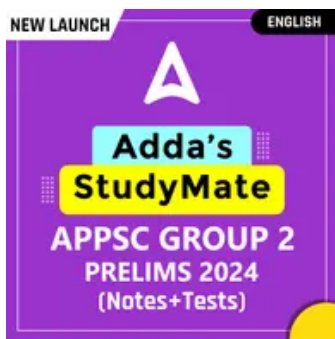


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	<ul style="list-style-type: none"> • They are typically held in designated areas within protected forests and offer activities like: • Nature walks and treks • Wildlife safaris. • Camping under the stars • Birdwatching • Educational workshops
<p>Musi rejuvenation: Govt to prepare simulation model for hydraulics</p>	<p>Context:</p> <ul style="list-style-type: none"> • In a step towards rejuvenation and conservation of the Musi river, the state government has taken a decision for preparing simulation model for hydraulics of the river from the downstream point of Osman Sagar reservoir to Outer Ring Road (ORR) East near and from Himayat Sagar reservoir downstream point to confluence point at Babu Ghat under Musi Riverfront Development Project. • Through the Musi Riverfront Development Corporation Limited (MRDCL), the government is now working on reviving the entire river ecosystem. • The government also has plans to establish a sustainable economic framework that prioritizes long-term environmental health and community well-being. • This would ensure that the Musi river project becomes a model for environmentally conscious and economically sustainable development.



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