

27th IEEE WPMC 2024

Why in News?

Recently, India hosted the 27th IEEE International Symposium on Wireless Personal Multimedia Communications (WPMC) 2024 in Greater Noida.

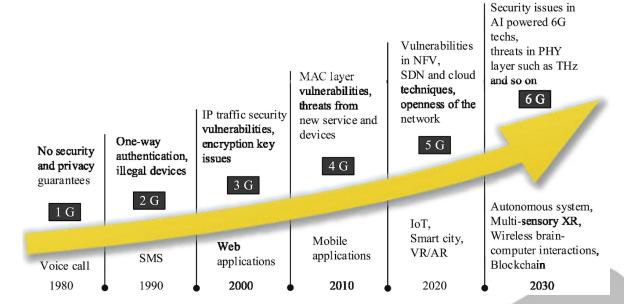
 Indian officials highlighted the country's rapid strides in telecommunication innovation, and transitioning from 5G deployment to envisioning the future of 6G technology.

Key Points

- Objective and Theme:
 - It provides a platform for researchers, industry leaders, and policymakers to discuss advancements in wireless communications.
 - The theme, "Secure 6G Al Nexus: Where Technology Meets Humanity," focuses on the intersection of 6G and Artificial Intelligence (Al).
- Venue:
 - The event was hosted at Sharda University and has brought together experts and thought leaders from various countries.
- India's Role in Wireless Communication:
 - An expert highlighted India's growing innovation ecosystem and its potential to contribute significantly to the global telecommunications sector.
 - India is expected to file approximately 10 patents related to 6G technology soon, further enhancing its economic and technological stature.
- Vision for 6G Technology:
 - The government envisions achieving unprecedented speeds of up to 1 terabit per second with ultra-low latency, marking a transformative step in global connectivity and socio-economic development.
 - This initiative aligns with national goals to position India as a global leader in the telecommunications sector.
- Transformative Potential of 6G:
 - Experts emphasized the potential of 6G to enable portable devices with advanced capabilities, focusing on high-frequency utilization and minimal latency.
 - The technology is expected to revolutionize rural ecosystems by facilitating remote healthcare, education, and agriculture, aligning with India's mission to bridge the digital divide and promote inclusive growth.

India's initiative for providing safer and better telecom services:

- Telecommunication Act, 2023
- Digital Personal Data Protection Act, 2023
- National Cyber Security Strategy
- Bharat 6G Alliance
- BharatNet Project



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