



Government of India
Ministry of Communications
Department of Telecommunications

75
Azadi Ka
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BHARAT



6G



Brief on Bharat 6G Mission

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- Technology Innovations Group constituted by DoT end-2021
- Task Forces on 6G
 - Multi-platform Next Generation Networks
 - Multi-disciplinary Innovative Solutions
 - Devices
 - Spectrum Policy
 - International Standards Contribution, and
 - Financing Research and Development

Bharat 6G Vision

Design, develop and deploy 6G network technologies that provide ubiquitous, intelligent and secure connectivity for high quality living experience for the world

Objectives of 6G Mission

- Facilitate and finance Research and Development, design and development of 6G technologies by Indian Startups/Companies/Research bodies/Universities
- Enable India to become a leading global supplier of IP, products and solutions of affordable 6G telecom solutions
- Deploy 6G technologies to act as a powerful force multiplier for India@2030
- Enable inclusive and significant enhancement in quality of living experience of citizens in India and across the world

6G Mission Phases

- **Phase 1** from 2023-2025
 - explorative ideas, risky pathways, proof-of-concept tests
- **Phase 2** from 2026-2030
 - Develop ideas and concepts that show promise and potential for acceptance by the global peer community,
 - establish their use cases and benefits, and
 - create IP and test-beds leading to commercialization.

Bharat 6G Mission

- i. Recommend phase wise objectives
- ii. Select and fine-tune the research and innovation pathways
 - a. identify priority areas for 6G research based on India's competitive advantages,
 - b. focus on new technologies such as Terahertz communication, radio interfaces, tactile Internet, AI for connected intelligence, new encoding methods & waveforms, chipsets for 6G devices, etc.
 - c. focus also on new device types, human interfaces and machine/robot communications,
- iii. Enable and encourage participation in pre-standardisation activities and standards making
- iv. Co-ordinate with sectoral organisations for an all-of-nation approach
- v. Ensure global visibility, participation, and collaborations.

APEX Council - Bharat 6G Mission

SN	Designation/Organisation	Position
1	Hon'ble Minister for Communications	Chair
2	Hon'ble Minister of State for Communications	Vice Chair
3	Prof Arogyaswami J. Paulraj, Stanford University	Member
4	Mr Vinod Dham, USA	Member
5	Mr.N G Subramaniam, COO TCS	Member
6	Principal Scientific Adviser to PM	Member
7	Secretary, Telecom	Member
8	Secretary, MeitY	Member
9	Secretary, DRDO	Member
10	Secretary, Space	Member
11	Secretary, MIB	Member
12	Additional Secretary, Telecom	Member

SN	Designation/Organisation	Position
13	Signal Officer in Chief, MoD	Member
14	National Cyber Security Coordinator	Member
15	Chairman, TSDSI	Member
16	Chairman, COAI	Member
17	Academic Researcher - of Bharat 6G Alliance	Member
18	R&D Lab rep- of Bharat 6 G Alliance	Member
19	Industry Rep- of Bharat 6 G Alliance	Member
20	Startup Rep- of Bharat 6 G Alliance	Member
21	CEO CDOT	Member
22	Mission Head - Bharat 6G Mission	Member - Secretary

Bharat 6G Alliance

- An alliance of domestic industry, academia, national research institutions and standards organisations facilitated by Government
- To help grow 5G Advanced/6G IPs and essential patents from India
- Design and build Indian 5G Advanced/6G products and solutions
- To help build consortia of Indian Startups and companies
- Build coalition with like minded 6G Global Alliances

Thank You