

Ananant Systems Partners with India Electronics and Semiconductor Association (IESA) to Drive Innovation and Self-Reliance in India's Semiconductor Industry

- Ananant Systems joins IESA, strengthening partnership for indigenous semiconductor and systems innovation and security in India
- Ananant Systems is advancing India's innovation leadership and supporting self-reliance and technological sovereignty with homegrown Intellectual Property and talent.
- Ananant offers superior technology for advanced 5G and 6G solutions at a significantly lower cost than current wireless alternatives.
- Ananant Systems is well-positioned to capitalize on forecasted India's semiconductor market growth to \$64 billion by 2026

Bengaluru, India – 20 May 2024 – Ananant Systems, a leading semiconductor and wireless systems company based in India, today announced its membership with the India Electronics and Semiconductor Association (IESA), the premier industry body for ESDM (Electronics System Design and Manufacturing) & Intelligent Electronics in India. This collaboration underscores Ananant Systems' commitment to fostering innovation, promoting self-reliance, and contributing to India's vision of becoming a global hub for electronics manufacturing and design.

Driving Innovation and Self-Reliance

Ananant Systems addresses the expanding requirements for advanced connectivity, computing, and security for wireless 5G and 6G infrastructure and devices. Their product offerings include Intellectual Property (IP), chip design, semiconductor products, software, and systems, all developed and owned in India.

Chitranjan Singh, CEO of Ananant Systems, emphasized, "As the world transitions to the 5G era of connecting everything and everywhere, the need for robust, secure and indigenous wireless infrastructure becomes crucial. Our vision encompasses building a leading Indian company in this space, underpinned by an Atmanirbhar philosophy and delivering secure, cost-effective and sustainable solutions. With a global outlook and alignment with local partners, including our recent membership with the India Electronics and Semiconductor Association (IESA) we aim to place India as a leader in the global wireless technology landscape while fostering self-reliance. To reinforce commitment to Atmanirbharta, we ensure all intellectual property associated with our products is owned and developed within India."

Empowering Indian Telecom Innovation: Collaborative Partnerships for Technological Advancement

Realizing the vision of becoming a semiconductor industry leader will be challenging and necessitate substantial investment in technology and human capital, and continuous support from both government policies and industry collaborations. Ananant Systems is looking forward to establishing robust partnerships within India to foster an integrated network that supports various facets, from wireless IP development to design to silicon manufacturing to end-system design, integration and manufacturing. Partnership with IESA is the first step in this direction.

Ananant Systems, known for developing six generations of industry-leading LTE/5G handset modems and possessing deep expertise in 5G, 3GPP, and OpenRAN standards, is playing a significant role in realizing the 'Make in India' vision. The core team's subject matter expertise exemplifies the caliber driving India's semiconductor and wireless technology sector. This collaboration underscores a shared commitment to fostering innovation and supporting the growth of India's tech ecosystem.

Expanding Opportunities in India's Semiconductor Market

A [joint report](#) by Counterpoint Research and IESA forecasts India's semiconductor market to reach \$64 billion by 2026, driven by both domestic and export markets. Ananant Systems is poised to capitalize on this growth, with significant demand expected from consumer electronics, telecom, IT hardware, and industrial sectors. The company's focus on secure chip development also enhances India's cybersecurity infrastructure, with chips that are more resilient to cyber threats compared to traditional chips.

Neil Shah, Research Vice President, at Counterpoint Research highlighted “India is emerging as a global hub for semiconductor and electronics manufacturing, driven by initiatives and investments across the technology ecosystem players catalyzed by Ministry of Electronics & Information Technology. To succeed, Digital India needs a robust ecosystem of indigenous semiconductor companies with homegrown design expertise, talent, and Intellectual Property. Companies like Ananant Systems, which design cutting-edge semiconductor systems locally, are crucial. Developing high performance solutions at lower costs indigenously for wireless infrastructure and a range of ICT applications, these companies can tap into multi-billion-dollar opportunities.

Ananant Systems, with its globally experienced team from leading tech companies and universities, joining IESA, will further enhance India's semiconductor and electronics ecosystem to capture these opportunities.”

About Ananant Systems

Ananant Systems is a semiconductor and wireless systems company headquartered in India. With a focus on innovation and self-reliance, Ananant Systems aims to provide technology solutions that enhance connectivity and improve lives. The company is establishing itself as a world-class semiconductor and wireless systems company in India, addressing the expanding requirements for advanced connectivity, computing, and security for wireless 5G and 6G infrastructure and devices. Their product offerings include Intellectual Property (IP), chip design, semiconductor products, software, and systems developed and owned in India. Ananant Systems aims to become a leader in the wireless semiconductor and systems market in India and worldwide.

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Dr. Chitranjan Singh



[Dr. Chitranjan Singh](#) is the Founder, CEO, and President of Ananant Systems. He is a visionary leader with a proven track record in semiconductor engineering and innovation. At Qualcomm, he was the Principal Architect and Chief Designer and led the development of six generations of 4G/5G industry leading modems, with shipment of more than 3B chips in all leading smartphone brands. Dr. Singh has been awarded “Super Qualstar Hall of Fame” at Qualcomm “For consistent leadership for LTE Advanced Receiver Development”. He has strong educational foundation with a B. Tech. from the Indian Institute of Technology, Kanpur, and a

PhD from the University of Texas, Dallas in electronics and wireless communication.

Dr. Singh's expertise lies in low-complexity, low power, and high performance design, with a focus on areas like 4G and 5G wireless baseband, MIMO systems, OFDM, VLSI implementation for Error Correction Coding, DSP, and embedded software. He is a pioneer in low complexity near optimal MIMO Demodulation algorithms and VLSI architectures. His leadership and technical acumen will continue to drive Ananant Systems' success in the semiconductor industry.