

HUMANS, MACHINES & MEANING 2.0



HUMANS, MACHINES & MEMORIES

ಎಲ್ಸಿಯಾ ಟೆಕ್ ಸಮ್ಮಿಟ್ 2025





Highlights

- Inauguration & Keynote Address by

 Mr Kris Gopalakrishnan, Chairman, Axilor Ventures
- Panel 9 Industry Experts/Innovators Entrepreneurs
- Closing Keynote
 Mr Sundararaman Ganapathiraman
- Hackathon Awards Distribution
 - Immersive Experience Zone
- Bangalore Paradigm
 Mr Sharad Sharma, Co-Founder, iSPIRT Foundation





From First Light to Future Sight: ELCIA Leadership Inaugurates Tech Summit 2025





The much-anticipated ELCIA Tech Summit 2025 commenced with an inspiring welcome from the ELCIA Leadership, marking the beginning of a transformative dialogue at the nexus of human ingenuity and technological advancement.

In his welcome address, V. Sriram Kumar, President, ELCIA, reflected on ELCIA's three-decade journey, highlighting its pivotal role in fostering innovation and collaboration within Electronics City. He underscored the vital importance of community, inclusive growth, and visionary leadership in transforming Electronics City into a world-class industrial hub.

"Electronic City, which contributes significantly to the economy of the state and the country, is a shining example of what can be achieved with focused effort and sustained support."

-V. Sriram Kumar President, ELCIA



Inauguration & Keynote Address by Mr Kris Gopalakrishnan "Innovation from Electronics City to the World"



Keynote by Kris Gopalakrishnan: Weaving Ambition with Ethics

The summit's intellectual cornerstone was laid by Kris Gopalakrishnan, Chairman of Axilor Ventures and co-founder of Infosys, whose keynote address masterfully wove together ambition and ethics. With the thematic call to action "Innovation from Electronics City to the World," he illuminated India's rising influence in shaping technological evolution, emphasizing how its industry leaders and startups are rewriting global paradigms.

In a thought-provoking address, Kris Gopalakrishnan painted a vivid portrait of Electronics City's extraordinary three-decade evolution, from its humble beginnings as an industrial zone to becoming a shining example of innovation, collaboration and visionary governance. With the keen perspective of an industry pioneer, he illuminated how this unique ecosystem has transformed into far more than just a business hub, but rather a living blueprint for India's technological future.

Kris Gopalakrishnan also emphasized the critical role of supporting indigenous industry. This highlights a strong call for economic patriotism and a collective effort to nurture Indian businesses, to foster national growth and self-reliance.

It's not humans + machines, it's humans and machines — combining strengths to innovate, create impact, and shape the future together.

- Kris Gopalakrishnan, Chairman, Axilor Ventures





"The Rise of Physical AI – Robotics, Sensors, and India's Manufacturing Mojo"

Mr Satyakam Mohanty (Moderator)

Managing Partner, Wyser

Dr Nagahanumaiah
Director, CMTI

Mr Mahendra Patil

National Head Robot Sales, FANUC India

Mr Sreekanta Aradhya B
Technical Director - Edge as Service, NTT Data

India's Manufacturing Mojo: Unleashing Physical AI

India's coming of age as a physical AI powerhouse took center stage during this dynamic CXO dialogue, exploring how robotics and smart sensors are reinventing manufacturing excellence.

These industry experts uncovered the transformative power of Physical AI in revolutionizing India's manufacturing landscape. Insights were shared on how robotics, sensors, and data-driven automation are driving productivity, innovation, and smarter decision-making. The discussion also covered strategies for fostering collaboration, navigating challenges, and accelerating the journey toward fully automated, intelligent factories, highlighting the future of India's manufacturing, powered by innovation and expertise.

The CXO panel discussion delivered a powerful call to action, urging every stakeholder—industry, academia, policymakers, and startups to collaborate decisively. Their collective effort is essential to unleash India's manufacturing potential by embracing and advancing physical AI.

"Physical AI is rising. The choice is yours: build the brain and body of tomorrow, or watch others lead the revolution."

- Satyakam Mohanty

Managing Partner, Wyser

"With an AI engine, we can find out what's a healthy vibration and what's an unhealthy vibration within 20 seconds. This is the impact of Physical AI."

- Sreekanta Aradhya B

Technical Director - Edge as Service, NTT Data

"Technically, India has the capability to create a fully automated engines with the latest features of vision and pressure sensors."

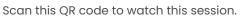
- Mahendra Patil

National Head Robot Sales, FANUC India

"To achieve dark factories, you need to capture the data, process it, then do analytics and it must be deployed. Currently, AI can be involved in all steps & automated with ease."

- Nagahanumaiah

Director, CMTI







"Building Smart Infrastructure for India's Strategic Tech Future"

Ms Nandini B (Moderator)

Director, Tescom

Mr Klaas Oskam

CEO & Managing Director India, DC Advisory

Dr Sirous Etemadi

Technical Plant Manager, Bosch Mobility Electronics

Dr V Veerappan

Co-founder and President, Tessolve Semiconductor & Chairman, ELCITA

Next-Gen India: Smart Infrastructure & Semiconductor Breakthroughs

Among the summit's most anticipated sessions, this thought leadership discussion united four pioneering minds shaping India's technological trajectory. The conversation offered deep insights into the nation's infrastructure transformation, guided by leaders at the forefront of industry and innovation.

These thought leaders collectively mapped the convergence of cutting-edge technologies, resilient systems design, and strategic partnerships that are redefining national infrastructure. The discussion revealed how intelligent data systems and sustainable engineering principles are becoming the cornerstones of development, while examining the delicate balance between rapid scalability and long-term security imperatives.

Beyond technical insights, the dialogue ascended to strategic considerations of how India might leverage its unique position to achieve both domestic progress and global technological leadership. The panel particularly emphasized the catalytic role of cross-sector collaboration, illustrating how industry, government and academia can jointly construct the digital foundations for India's next decade of growth.

"We are doing 1 billion worth of digital transactions in a single day, involving 491 million people, 65 million merchants along with 675 banks are involved in this."

- Dr V Veerappan

Co-founder and President, Tessolve Semiconductor & Chairman, ELCITA

"India is a growing economy, and global companies will want to invest in a growing economy."

- Dr Sirous Etemadi

Regional President for Bosch Mobility Electronics India and Technical Plant Manager

"The public-private partnership has worked out in India. The infrastructure was kept simple and easily accessible."

- Klaas Oskam

CEO & Managing Director India, DC Advisor

"India isn't rising to catch up, but we want to lead the world."

- Nandini B

Director .Tescom





"Al and Tech from India to the World"

Ms Swathi Shyam Sunder

Research Group Head, Data and Artificial Intellegence, Siemens Technology and Services Pvt. Ltd. Dr Venkat Padmanabhan

Managing Director, Microsoft Research India

Fireside Chat with Microsoft Research & Siemens

One of the standout sessions at this year's ELCIA Tech Summit featured an insightful fireside chat on India's growing influence in shaping global AI and technology innovation. The compelling fireside chat brought together two of India's leading research minds to discuss the country's growing influence in shaping global AI and technology. The session highlighted how Indian innovations are driving large-scale impact—from transforming agriculture and road safety to advancing predictive analytics and AI-driven manufacturing.

The discussion examined how India's thriving innovation ecosystem, characterized by its scalable solutions and research excellence, is actively shaping the trajectory of global AI progress and technological transformation. The session delved into the transformative power of AI and digital technologies across industries, with a focus on India's research-driven breakthroughs. A key discussion point was the importance of collaborative ecosystems, emphasizing partnerships between academia, industry, and government to fuel sustainable innovation. They also delve into cutting-edge advancements, including Siemens' industrial foundation models and domain copilots designed to simplify complex tasks for engineers.

The discussion concludes by addressing the importance of responsible and explainable AI, touching on topics like neuro-symbolic AI and the balance between human-in-the-loop systems and autonomous agentic AI. Overall, the session offered a clear and insightful vision of India's role in building purposeful, globally relevant AI.

"For the research sector, the idea of AI-inclusion is to take the outcomes of the research and sustain it over time for future purposes."

- Dr Venkat Padmanabhan

Managing Director, Microsoft Research India

"As the technology is growing, it has become increasingly impossible to build anything without peer collaboration."

- Swathi Shyam Sunder

Head of Research Group AI, Siemens Research and Predevelopment





"From R&D to GDP - India's Make-and-Innovate Moment"

Ms Shreya Krishnan (Moderator)
Managing Director, AnitaB.org India

Mr Kumar N Sivarajan
Co-Founder and CTO, Tejas Networks

Mr Seetharam M R

Director, Co-founder, Synthesis Winding Technologies

Mr Vikalp Sahni

Founder & CEO Eka.Care, Volunteer Architect AarogyaSetu, Co-Founder & Ex-CTO Goibibo

Accelerating India: Turning Innovation into Impact

The ELCIA Tech Summit 2025 began with a bold vision—to celebrate India's rise as a global innovation powerhouse and map the journey from groundbreaking research to real-world impact. That journey came alive in a pivotal panel: "From R&D to GDP – India's Make-and-Innovate Moment."

At the core of this powerful discussion were three visionary leaders from India's tech ecosystem, offering sharp insights and real-world perspectives—expertly guided by a dynamic moderator. This wasn't just another talk about innovation as an abstract ideal. They traced its lifeline from the quiet intensity of research labs to the dynamic chaos of factory floors and startup hubs. The conversation unveiled the grit behind the leap from academia to industry, the trials of transforming prototypes into scalable products, and the truth that every market-ready breakthrough is born from relentless collaboration, risk-taking, and resilience.

This wasn't just another talk about innovation as an abstract ideal. They traced its lifeline from the quiet intensity of research labs to the dynamic chaos of factory floors and startup hubs. The conversation unveiled the grit behind the leap from academia to industry, the trials of transforming prototypes into scalable products, and the truth that every market-ready breakthrough is born from relentless collaboration, risk-taking, and resilience.

Real change happens when ideas don't just stay on the drawing board but travel the entire journey to the marketplace, putting India's make-and-innovate energy on the global map.

"It is not only about building something to solve an immediate problem, but it needs to be about building something with complete passion."

- Vikalp Sahni

Founder & CEO Eka.Care, Volunteer Architect AarogyaSetu, Co-Founder & Ex-CTO Goibibo

"We need to de-couple founders and innovators from risk & business. Once you do this, we can push towards scaling in big."

- Kumar N Sivarajan

Co-Founder and CTO, Tejas Networks

"Once you pick up pain points, you listen to it more closely and stay with the issues, you can solve it more productively."

- Seetharam M R

Director, Co-founder, Synthesis Winding Technologies

"With how the world is going about now, the solutions need to be more towards S.T.E.A.M and not just S.T.E.M."

- Shreya Krishnan

Managing Director, AnitaB.org India





"Build It Live: AI in Action"

Mr Arun Jagannathan
Founder, The Cyborg Mindset

Unleashing India's Innovation Engine: "Build It Live—AI in Action"

As the afternoon sun warmed the innovation halls of ELCIA Tech Summit 2025, anticipation built for a session that promised not theory, but practice. Stepping on stage was Arun Jagannathan, founder of The Cyborg Mindset and a champion of bringing AI down from its lofty buzzwords to the realm of day-to-day work.

The talk introduced the concept of a 'cyborg mindset' a way of thinking that promotes collaboration, rapid iteration, and bold innovation in AI and digital technologies. He encouraged the audience to develop a "cyborg mindset" by leveraging three unique human skills: curiosity, critical thinking, and communication. Arun's interactive session wasn't a typical talk: it was an invitation to roll up sleeves, engage, and "build it live."

Arun demystified AI by showing attendees that you don't need to be a coder or data scientist to make AI work for you. Instead, Arun demonstrated how anyone can leverage generative AI for smarter content creation, clearer communication, and better decision-making. He stressed the importance of blending critical human thinking with AI efficiency: the "cyborg mindset" where context, clarity, and creativity drive meaningful outcomes, not just polished prompts.

Arun emphasized the need to foster a culture of experimentation and risk-taking across both industry and education, as a crucial step toward shifting from job-readiness to innovation-readiness. He also offered a compelling vision of how India's research community is creating AI that is not only innovative and scalable but also inclusive, transparent, and globally relevant. Arun stressed that humans are ultimately responsible for judging AI-generated content, sharing a story about a CEO who got into trouble for using a plagiarized AI-generated press release. He encouraged the audience to use AI as a "sparring partner" to challenge their own ideas.

The session closed with a reminder that the future of AI isn't about replacement, but augmentation: combining the strengths of human intuition and machine intelligence for real-world results, whether you're writing an email or strategizing solutions for your business. Arun's powerful message was clear: anyone can innovate if given the mindset and opportunity. With the right tools and courage, India's next wave of GDP growth and global impact can be powered by everyday innovators building in real time.

"The only way to get AI to give a different response is to take it away from the core. It can be achieved by feeding more context to it."

- Arun Jagannathan
Founder, The Cyborg Mindset





"The Fours Quarters"

- 1. Smart Manufacturing with Al
- 2. Innovation in Aerospace/Defence

Dr Asokan Sundarrajan

Dean, Faculty of Science, Professor, Department of Instrumentation & Applied Physics, IISc

Mr Ravikiran Annaswamy

Co-founder and CEO, Numocity

Dr S Devarajan

Sr. Vice President, TVS

- 3. Energy Intelligence in EV Ecosystem
- 4. India's Sensor Blueprint

Mr A Vaidyanathan (Mode<u>rator)</u>

Founder & CEO, Personal Air Quality Systems (PAQS) & President, ELCIA Cluster

Mr Govind Yadav

Engineering Fellow, Honeywell

The Four Quarters: India's Pulse Across Sectors

Next, the summit widened its lens: "The Four Quarters" session was less a panel, and more a convergence of India's industrial heartbeat. The realms of energy, sensors, manufacturing, and aerospace/defense came alive through passionate debate.

The session opened with a compelling introduction, setting the stage for a rich exchange of insights from leading voices across industry and academia. Each brought stories from their frontlines: sensors making factories "think" smarter, EVs reshaping mobility, cloud computing keeping everything connected, and aerospace engineers dreaming up aircraft parked on urban terraces. The mood was one of optimism, but with an honest recognition of hurdles covering digital divides, upskilling gaps, and the pressing need for sustainability.

"I strongly believe, if manufacturing is successful, then every other sector will be successful."

- Dr S Devarajan

Sr. Vice President, TVS

"There is a vision where you will have an aircraft parked like a car in the next 2-3 years on your terrace which you take out for a casual ride."

- Govind Yadav

Engineering Fellow, Honeywell

"The first challenge is to see how to make it easy so that the user doesn't face any difficulties in handling the digital gadgets."

- Ravikiran Annaswamy

Co-founder and CEO, Numocity

"If we are to use the SONAR technology for the benefit of our naval forces, we need more manufacturers to come forward."

- Dr Asokan Sundarrajan

Dean, Faculty of Science, Professor, Department of Instrumentation & Applied Physics, IISc

"From lab to TRL-9 is a long haul. Apart from the industries, we also need to get the youngsters interested in them as well."

- A Vaidyanathan

Founder & CEO, Personal Air Quality Systems (PAQS) & President, ELCIA Cluster





"Skilling for the Age of AI - Are We Ready for Industry 5.0?"

Mr Satish Grampurohit (Moderator) Co-Founder & CEO, Cogniquest

Prof Amaresh Chakrabarti

Senior Professor and Chair, Department of Design and Manufacturing (DM, earlier CPDM) at Indian Institute of Science (IISc)

Prof Dinesh Babu Jayagopi

Professor, Head of Data Science and AI, Faculty-in-charge Placements, IIIT Bangalore

Mr Victor Sundararaj

Associate Vice President, Infosys

Skilling for Industry 5.0: Embracing the AI Revolution

The session "Skilling for the Age of AI - Are We Ready for Industry 5.0?" united educators, CEOs, and engineers to confront our defining challenge: Is India prepared to lead this revolution? The narrative reached its pivotal moment-focusing on the people who would transform innovation into tangible impact.

The panelists moved beyond conventional upskilling discourse, challenging us to reimagine learning and leadership itself. Their insights revealed a dual imperative: aggressively embrace AI mastery while maintaining an unshakable foundation in first principles. Most crucially, they emphasized preserving human agency – knowing when AI should follow rather than lead. This became more than a discussion; it was a clarion call for radical education transformation, learning-by-doing, and most importantly, developing professionals who don't just adapt to change but drive it with ethical conviction.

Overall, the key takeaway from this session was knowledge is no longer static. It is a continuous learning, and responsible innovation will define the new leaders of India's tech revolution.

"Within the context of responsible AI, building trust and explainability encompasses a large sense on how we build AI around it."

- Victor Sundararaj

Associate Vice President, Infosys

"While AI is a major tool people should be trained in, the training should ensure that it does not end up making humans lose their intelligence to assess if and when the results from using AI are appropriate, accurate and useful for the purpose for which it is being used."

- Prof Amaresh Chakrabarti

Senior Professor and Chair, Department of Design and Manufacturing
(DM, earlier CPDM) at Indian Institute of Science (IISc)

"The ability to understand which issue can be solved by AI and the ability to choose when you need AI is an important skill for the leaders to have."

- Prof Dinesh Babu Jayagopi

Professor, Head of Data Science and Al, Faculty-in-charge Placements, IIIT Bangalore

"There is an urgency to learn AI. We are in a space where the ability of longevity in our job depends on our knowledge in AI."

- Satish Grampurohit

Co-Founder & CEO, Cogniquest





"The Human + Machine Alliance in India's Al powered manufacturing landscape"

Mr Sundararaman Ganapathiraman

Chief Scientist and Head - Research & Infrastructure Engineering, Wipro

Integrating AI and Human Values in Indian Manufacturing

As the summit drew to its stirring close, a profound question echoed through the hall: What does it truly mean to be human in an age of smart machines? Mr Sundararaman Ganapathiraman, Chief Scientist and Head - Research & Infrastructure Engineering, Wipro, took the stage for the keynote, painting a vision of "The Human + Machine Alliance in India's Al-Powered Manufacturing Landscape."

His analogies of a nurse, a mother, and a robot tending to a child made clear that collaboration, empathy, and intuition remain irreplaceable. Smart manufacturing, he reminded us, is not about replacing people with machines, but about machines amplifying what is uniquely human. "Meaning 2.0" was his phrase for this new partnership where the best of technology meets the irreplaceable spark of human creativity.

He emphasized that the future belongs to alliances—where the logic of machines and the soul of people combine for purpose-driven progress.

"The difference between a nurse handling a baby, a mother handling, and a robot handling a baby is going to be the definition to Meaning 2.0."

- Sundararaman Ganapathiraman

Chief Scientist and Head - Research & Infrastructure Engineering, Wipro





Celebrating Excellence: ELCIA Hosts Felicitation Ceremony for Mrs Rama NS

As thought leaders from across the industry gathered for ELCIA Tech Summit 2025, the organization was honoured to host a distinguished felicitation ceremony for Rama NS, Advisor at ELCIA. Rama NS was recognized for her outstanding contributions, steadfast leadership, and unwavering commitment to the organization.

A respected figure in India's technology ecosystem, Rama NS has been a driving force behind the growth and impact of the Electronics City Industrial Township (ELCITA) and ELCIA. Her vision, dedication, and collaborative leadership have played a pivotal role in shaping Electronics City into a model for public-private partnership and sustainable industrial development.

Under her guidance, ELCIA has seen transformative progress—from infrastructure modernization and environmental initiatives to talent development and global partnerships. Her unwavering commitment to innovation and inclusive growth has earned her admiration across industry, academia, and government.

This felicitation was not only a tribute to her accomplishments but also a celebration of her enduring legacy and continued influence on the future of Indian industry. A highlight of the evening was the presentation of a commemorative plaque, symbolizing the collective gratitude and admiration of all present. The warmth and applause that filled the room stood as a testament to her enduring legacy.



Sense 2 Scale

Hackathon Prize Distribution



₹50 K GRAND WINNER

Senso Health

Comprehensive Health Monitoring System



₹35 K
FIRST RUNNER-UP

Minty 2.0

VitaSense: Sensor Characterization Platform for TRL-8 Benchmarking



₹25 K
SECOND RUNNER-UP

Kanyarashi

Sensor Validation Project



"Bangalore Paradigm"

A powerful conversation on Bengaluru's role in shaping India's innovation DNA

Mr Sharad Sharma

Co-Founder, iSPIRT Foundation

Ms Malthi SS

CEO, SparkProd (Moderator)

The Bangalore Paradigm: The City with Innovation in its DNA

No story of Indian innovation is complete without Bengaluru, the city that redefined what's possible. The session 'The Bengaluru Paradigm: Unleashing India's Innovation DNA' captured this spirit perfectly. Mr Sharad Sharma, Co-Founder of iSPIRT Foundation, and Ms Malthi S.S., CEO of SparkProd, electrified the room with stories of audacious founders, an open-door culture, enabling policies, and a city that thrives on relentless learning.

They traced Bengaluru's rise from a "Silicon Plateau" to Asia's deep-tech nerve centre, showing how collaboration, diversity, and opportunity fuel dreams bigger than any one company or individual. Bengaluru is not just a place, but a movement. It is proof that when the ecosystem is right, ordinary people can achieve extraordinary things.

"Indian companies have to grow their R&D not by two times but by 21 times, to really be in the reckoning. So that is the mindset change that we need."

- Sharad Sharma

Co-Founder, iSPIRT Foundation





ELCIA Tech Summit 2025: Pre-event Webinar

How can technology truly reach and empower every Indian?

Sridhar DhulipalaPrincipal Advisor (Design), UIDAI

Mohan Gupta
VP Product ShareChat

Ms Malthi SS (Moderator)
CEO & Founder, SparkProd

Big ideas, Bright Faces. Bold Future.

At the ELCIA Tech Summit 2025 Curtain Raiser, thought leaders Sridhar Dhulipala, Mohan Gupta, and Malathi SS explored the real meaning of building for "Bharat." The panel delved into the challenges and opportunities of creating digital products that go beyond language, embracing India's vast cultural and regional diversity.

From understanding unique user needs to designing solutions that are both accessible and meaningful, the discussion highlighted why localization is more than translation. It's about building technology that resonates with people from all walks of life.

Big ideas, inspiring leaders, and meaningful dialogue — the Pre-Summit Webinar of ELCIA Tech Summit 2025 brought together powerful voices shaping India's inclusive tech future.

"Building for Bharat means listening deeply, understanding local realities, and designing solutions that bridge gaps, not just translate words."

- Sridhar Dhulipala

Principal Advisor (Design), UIDAI

"Innovation for Bharat isn't about scaling down global products, it's about reimagining them from the ground up for India's unique needs."

- Mohan Gupta
VP Product ShareChat





















































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Your support can create lasting change. Here's how you can contribute to FLCIA Trust's mission:



Donate:

Every donation helps fund meals, education, health initiatives, and more.



Volunteer:

Share your skills and time by volunteering with us.



Corporate Sponsorship:

Partner with us to sponsor specific projects or match employee donations.

Visit www.elciatrust.in or contact us at contact@elciatrust.in to make your contribution. Together, we can transform lives and build a brighter tomorrow.



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ELCIA Trust's journey is just beginning. Through collaborative efforts involving member companies, volunteers, and individuals, the Trust aims to expand its programs, reaching more students and communities. ELCIA Trust invites each one of you to join in its mission of creating a sustainable and prosperous future for the communities ground us.

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Credits

Core Team: V Sriram Kumar, Vinay Kumar J, Rama NS, Nandini B, Kavitha Garla, Shivayogi V Ballolli, Mamatha BE, Vaidyanathan A

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