Redefining Possibilities
with India's Next-Gen Deep Tech Companies

nasscom

emerge 50

awards

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nasscom emerge 50 awards

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pwc

Foreword

Abhishek
**Partner - TMT - Strategy,
M&A (CDD, Value creation), and
Operations - Practice Leader**

nasscom Emerge 50 awards have emerged as a beacon of excellence, recognizing pioneers and innovators who are revolutionizing India through cutting-edge technologies.
As businesses continue to navigate the intricacies of emerging technologies, India stands at the forefront, heralding an era of accelerated progress in deep tech innovation. Fuelled by an ecosystem rich with startups and entrepreneurial visionaries, India's deeptech sector is not just advancing cutting edge technologies, but also positioning itself as a global leader in addressing critical challenges across industries.

From artificial intelligence and quantum computing to space technologies and sustainable solutions, deep tech startups are reshaping industries such as healthcare, agriculture, space, and clean technology. Their work has transitioned from theoretical explorations into tangible market solutions that are not only innovative but necessary. The evolving landscape is characterized by rapid advancements in AI, blockchain, space tech, biotech, fintech, health tech, robotics, and many more deep tech industries, creating a confluence of opportunity and impact across sectors.

This year nasscom emerge 50 awards showcases the best of India's deep tech talent, each startup pushing the boundaries of possibility while solving complex global problems. These pioneers are not just writing the next chapter in India's technology revolution but are laying the foundation for a sustainable, tech driven future. Together, we embark on a journey to celebrate their success and usher in the next phase of technological advancement — one where India's deep tech ecosystem continues to be a lighthouse for innovation on the global stage.

We are proud to partner with nasscom in recognizing and supporting these game-changing startups as they shape the future of deep-tech for India and beyond.

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TOP

Message by nasscom President

Rajesh Nambiar

"

I am incredibly proud to witness the remarkable progress of these deep tech startups. The innovation and problem-solving capabilities emerging from these ventures are truly exceptional—spanning AI, quantum technologies, space tech, fintech, and sustainability solutions. These startups are creating a powerful convergence of opportunity and impact across industries. As businesses continue to navigate the complexities of emerging technologies, India is at the forefront, driving an era of rapid advancement in deep tech innovation. These pioneers are not only shaping the next chapter of India's deep tech revolution but are also laying the groundwork for a sustainable, technology-driven future."

Message by Chair, nasscom Deep Tech Council

Jeyandran Venugopal

"

India's deep tech startups are the architects of a new technological frontier, transforming bold ideas into real-world applications that address critical challenges across industries. The Emerge 50 awards celebrate this ingenuity, reflecting the spirit of innovation that fuels our ecosystem. From healthcare breakthroughs to advancements in space tech and clean energy, these startups are not just shaping industries — they are creating the blueprint for India's leadership in the global deep tech arena."

TOP

In the Spotlight!

League of 10

CORATIA TECHNOLOGIES Applied Innovations	Devic Earth We Destroy Pollution	MANASTU SPACE	ncf Labs	OBSERVE·AI
PANTHERUN	(Q) QUANFLUENCE	Q→NU Proactively Quantum	THE ePLANE CO.	tradomate

Winners

a5G NETWORKS	algobulls®	ANSCER ROBOTICS	BioPioneer Empowered by Innovation	BLUJ aero
BrainSightAI	CAMBRIAN BIOWORKS	CAVLI wireless	CeraTattva InnoTech	Chakr Innovation
CHIPSPIRIT	CoRover.ai	DOCKETRUN	ECOSTP® sewage to gold™	EndureAir Fly with Purpose!
entropik	ETHEREAL X	Gahan AI Pvt. Ltd.	G	GENROBOTICS® MEDICAL AND MOBILITY
GEX GreenEarthXchange	GREENPOD LABS	INTEELABS VALOR FOR INVENTION	Janitri®	LAUNCHX
lifeandlimb.ai LIFE AND LIMB PRIVATE LIMITED	MORPHING MACHINES	NAVIREGO	newtrace	Okulo AEROSPACE
oorja	QULABS	REZO.AI	SecOps® Solution	SENSE SEMT
SUNBOTS	theranautilus	TRANA LAB	TRANZMEO	xane.ai Experience Redefined

TOP

League of 10

nasscom

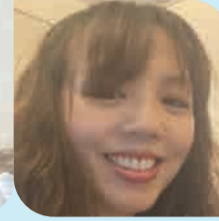emerge
50

awards

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Pantherun Technologies

elevator pitch

Pantherun, an Indian cybersecurity innovator, developed a patented AES-based algorithm eliminating key exchange vulnerabilities.

Srinivas Shekar
CEO

Tiffany Chan
COO

Problem Statement

Conventional encryption like IPSec, MACSec, and SSL have flaws: exposed data formats, reliance on compatible infrastructure, and security gaps from handshakes. They fail to protect data at the edge, where AI-driven computing and breaches are rising.

Impact

Pantherun's technology revolutionizes secure communication with AES-based encryption that eliminates key exchanges, minimizing breach risks. Its FPGA-based solutions deliver high-performance, secure networking across industries such as railways, automotive, and telecom, attracting global partners like AMD, Intel, and Indian Railways.

Product Innovation

Pantherun's AI-powered IP secures Ethernet communication with seamless, real-time encryption that works without handshakes or infrastructure upgrades. It protects data in motion and at rest, ensuring scalable, high-performance security across networks, including legacy systems.

Roadmap

Sales began in July 2021, reaching INR 8 Cr in FY 23-24, backed by agreements with AMD and Intel for exclusive communication stack and encryption IP. With orders worth INR 9 Cr, 60% from IP licensing, Pantherun aims for INR 42 Cr in FY 24-25, targeting INR 800 Cr by year five.

Unique Proposition

Unlike SSL/TLS, IPSec, and MACSec, Pantherun's AES-based encryption keeps data formats unchanged and avoids clear-text key exchanges, making it harder for attackers to detect encryption types or methods, and significantly reducing breach risks.

Product:
Stealth AES encryption without key exchange

Website:
https://www.pantherun.com

Year of Incorporation:
2019

Pantherun's five-year vision is to revolutionize edge communication through advanced FPGA networking and AI-driven encryption, delivering faster, more reliable, and resilient data protection for industries in the digital era.

Devic Earth

Devic Earth
We Destroy Pollution

elevator pitch

With a mission to save millions of lives from air pollution, Devic Earth strives to bring 'Clean Air For All' with Devic's innovative technology, Pure Skies, that improves the ambient air quality at scale.

Dr. Srikanth Sola
CEO & CTO

Shaguna Sinha
CFO

Shivani Sinha
CMO

Problem Statement

Heavy industries such as coal, steel, and mills risk heavy regulatory fines if their air quality levels exceed national standards. Pure Skies reduces ambient (outdoor) levels of PM10 and PM2.5 by 30-50%, thereby de-risking the customer's; operations and improves the health.

Product Innovation

Technology based solutions for outdoor air pollution are few. Most rely on fan-based units that cover an area the size of a badminton court. Devic Earth's technology covers large areas (1 acre per machine) using pulsed radio energy.

Unique Proposition

Devic Earth's disruptive pulsed-radio waves technology 'Pure Skies' is a scientific first air pollution control technology that improves air quality over large areas at the lowest cost per unit area.

Impact

Devic Earth's Pure Skies system creates a significant positive impact on air quality improvement, health benefits, economic advantages, environmental impact, scalability, versatility and resilience etc.

Roadmap

Strategic growth plan for market expansion, product innovation and diversification, partnerships and alliances, sustainability and ESG, customer acquisition and retention, R&D and Technology upgrades, compliance and regulation adherence and Carbon Capture.

Product:
Pure Skies

Website:
https://www.devic-earth.com

Year of Incorporation:
2018

"
Dedicated to all the millions of people, who will benefited by Devic Earth's clean air technology.
"

NCF Green Energy

ncf Labs

elevator pitch

Sustainable, smoke-free and energy-efficient heating solutions.

C Subramaniam
CO-FOUNDER

Shubham Tiwari
CO-FOUNDER

Problem Statement

Thermal energy is the largest global energy use and CO_2 contributor. While solar-thermal is sustainable, its low efficiency (50-65%), space demands, and lack of indigenization hinder wider adoption.

Product Innovation

Nano Carbon Florets (NCF) achieve 90% solar-thermal conversion, outperforming traditional absorbers in efficiency, stability, and scalability. NCF devices provide green heat from various light sources for applications like heating, salt production, and water purification.

Unique Proposition

NCF's high solar-to-heat conversion, 5-year stability, and versatile processing enable cost-effective solar-thermal devices, positioning it as a leader in sustainable thermal innovation.

Impact

NCF-based solutions help industries and homes cut energy use and carbon emissions. Field trials show five-times faster space heating with 20% less power, benefiting strategic and industrial sectors.

Roadmap

In the next 3-5 years, NCF plans to expand its product portfolio, boost production, and form global partnerships. NCF will scale its market-disrupting technology and introduce new innovations for sustainable heat delivery.

Products:
USHMA and URJA

Website:
https://ncflabs.com

Year of Incorporation:
2024

> NCF is dedicated to leading sustainable heating through pragmatic solar-thermal innovations, aiming to leave a safe, green planet for future generations.
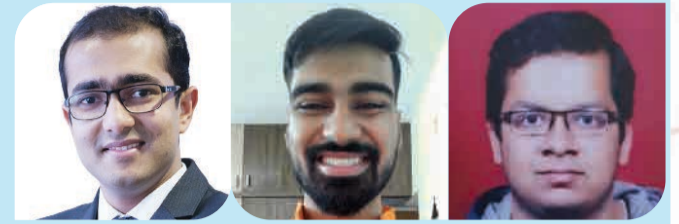
Tradomate One

tradomate

elevator pitch

Tradomate.one is an AI-driven platform empowering traders with strategy automation, backtesting, and optimization.

Ritvik Dashora
CEO & CO-FOUNDER

Satyam Upadhyay
COO & CO-FOUNDER

Yashu Gupta
CTO & CO-FOUNDER

Problem Statement

Tradomate.one unifies trading tools, streamlines strategy creation, and enhances decision-making, helping traders overcome inefficiency, poor analysis, and biases for smarter, faster, and more profitable trades.

Product Innovation

Tradomate.one integrates strategy creation, 3-layered backtesting, real-time screeners, and AI optimization in a single platform. It streamlines trading, driving smarter decisions and more profitable trades.

Unique Proposition

Tradomate.one combines AI-driven tools like GenAI screeners, 3-layered backtesting, and the AI-powered Tradometer into a single platform, streamlining trading from strategy creation to execution and evaluation. This unique integration gives traders a competitive edge.

Impact

Tradomate.one empowers traders to make data-driven decisions, minimizing losses and boosting profitability. With AI-driven tools, real-time screeners, and advanced backtesting, the platform transforms trading into a smarter, more efficient, and accessible experience for all traders.

Roadmap

In the next 3-5 years, Tradomate aims to become a full-service brokerage, leveraging AI-driven tools and strategic partnerships to scale user acquisition. The goal is to reach 500,000 users by 2026, expand globally, and enhance platform intelligence to increase profitability and trader retention.

Product:
Tradomate.one

Website:
https://tradomate.one

Year of Incorporation:
2023

> Tradomate One empowers traders with deep intelligence and automation for smarter, more profitable decisions. Its mission is to simplify the trading landscape and provide every trader with the tools for success.

Observe.AI

OBSERVE·AI

elevator pitch

Empowering businesses to unlock revenue, efficiencies, and exceptional customer experiences through the transformative power of AI.

Swapnil Jain
CEO & CO-FOUNDER

Jithendra Vepa
CTO & CO-FOUNDER

Problem Statement

Businesses invest heavily in storing millions of customer conversations but struggle to harness valuable insights from them. This results in missed opportunities to enhance agent performance, customer experiences, and revenue, while slowing their agility and competitiveness in the market.

Impact

Transforming customer conversations into actionable insights enhances performance, improves customer experiences, and accelerates ROI. Enterprises see a 20% revenue increase, 18% rise in efficiency, 15% boost in compliance, and 55% improvement in customer sentiment.

Product Innovation

Observe.AI leverages AI to analyze customer conversations, providing actionable insights that enhance agent performance, automate quality assurance, and improve customer experience. With real-time coaching and advanced analytics, businesses can boost revenue, streamline operations, and maintain competitiveness in the market.

Roadmap

In the next 3-5 years, Observe.AI aims to lead as the AI platform for enterprises by enhancing technology with Generative AI, expanding its product suite, and delivering measurable value, while scaling globally and strengthening customer relationships.

Unique Proposition

Observe.AI offers two key advantages: exceptional accuracy with proprietary ASR for transcription and precise insights from its LLM and NLU stack. Additionally, it integrates AI seamlessly into contact center workflows through intuitive interfaces for quality evaluation, coaching, and data management.

Product:
Generative AI platform for contact centers

Website:
https://www.observe.ai

Year of Incorporation:
2017

> Observe.AI seeks to disrupt the contact center industry by using AI to analyze customer conversations and deliver actionable insights that boost agent performance. This will be powered by an accurate technology stack (ASR, NLU, and LLMs) and intuitive workflows designed for enterprises.

The ePlane Company

T H E e P L A N E C O.

elevator pitch

The ePlane Company (Ubifly Technologies Pvt. Ltd.) is dedicated to creating India's first and the world's most compact flying electric taxis to reduce urban congestion globally.

Satyanarayanan Chakravarthy
FOUNDER

Problem Statement

As the world's most densely populated country, India's urban population is set to grow, making traffic congestion a major challenge amid rising vehicle numbers.

Impact

The ePlane e200x features zero emissions, minimal noise, and an electric power source for sustainability. Its carbon fiber composite skin ensures lightweight durability. The ePlane Company responsibly manages e-waste, aligning with global sustainability goals. Quieter operations enhance adaptability in remote areas, while diverse payload capacities create a lasting environmental impact.

Product Innovation

The ePlane e200 is India's first eVTOL (electric Vertical Take-off and Landing) system, featuring a compact 5m footprint—about the size of two hatchback cars. It provides a lightweight, sustainable solution to urban congestion, transporting passengers from their doorstep to their destination 10x faster.

Roadmap

The ePlane Company seeks strategic partnerships for growth in manufacturing, fleet management, and operations across cities and countries. Its products will be competitively priced at 2-3x the cost of road taxis. With advanced infrastructure and an innovation-driven team, ePlane is poised for sustainable growth.

Unique Proposition

The ePlane Company is the only global player in the small wing, synergistic lift passenger segment using fixed-wing aero propulsion. It features proprietary designs for high-density battery systems, advanced avionics with neural networks, and lightweight carbon composites, ensuring a strong and efficient aircraft.

Product:
ePlane e200x

Website:
https://www.eplane.ai

Year of Incorporation:
2019

> ePlane's vision is to democratize aviation by making air commuting accessible and sustainable through battery technology. It offers a compact flying taxi for short-distance travel.

QuNu Lab

Q→NU
Proactively
Quantum™

elevator pitch

QuNu is aaccelerating world's transition to a quantum-secure future with a made in India, for the World product.

Sunil Gupta
CEO & CTO

Srinivasa Aluri
CFO

Problem Statement

QuNu addresses the threat of quantum computing to sensitive data, which can compromise traditional encryption. As quantum technology advances, existing cybersecurity measures become vulnerable. QuNu's quantum-safe solutions provide long-term protection against these emerging threats.

Impact

QuNu provides quantum-safe data security, protecting communications from current and future quantum threats. Using Quantum Key Distribution (QKD), Quantum Random Number Generation (QRNG), and Post-Quantum Cryptography (PQC), QuNu ensures secure data transmission, enhancing cybersecurity for finance, defense, and telecommunications.

Product Innovation

QuNu delivers quantum-safe data security with Quantum Random Number Generation (QRNG), Quantum Key Distribution (QKD), and the PQC-based QShield platform. QRNG generates random keys, QKD secures key distribution, and QShield uses Post-Quantum Cryptography (PQC) to protect against quantum threats.

Roadmap

QuNu's 3-5 year growth plan involves global expansion into the US, Indonesia, and Australia, and strengthening partnerships with industry leaders. The focus will be on R&D for QKD chip, Free Space QKD, and Satellite QKD to enhance product offerings and drive quantum-secure communication solutions.

Unique Proposition

QuNu holds 7 patents (12+ pending) and 10+ trade secrets driving innovation. QShield is the first enterprise SaaS platform for quantum-secure services, integrating Quantum Key Distribution (QKD), Quantum Random Number Generation (QRNG), and Post-Quantum Cryptography (PQC). QKD supports 150+ km point-to-point and unlimited range with trusted nodes for comprehensive quantum-safe solutions.

Product:
QShield

Website:
https://www.qnulabs.com

Year of Incorporation:
2016

"
The Quantum Tech Industry has rapidly advanced in the last five years and is gaining mainstream adoption in critical infrastructure and sensitive data enterprises.
QuNu Lab is well-positioned to play a key role in enhancing global digital security.
"

Coratia Technologies

CORATIA TECHNOLOGIES
Applied Innovations

elevator pitch

Coratia is an underwater robotics startup working on development of unmanned underwater robots for inspection of submerged infrastructures.

Debendra Pradhan
CO-FOUNDER

Biswajit Swain
CO-FOUNDER

Problem Statement

Coratia addresses challenges in deep-sea exploration and maintenance with underwater robots that access hard-to-reach areas, gather data, and perform tasks safely and efficiently, minimizing risks for divers while enhancing marine research and resource management.

Product Innovation

Coratia's underwater robots perform inspections and data collection in challenging environments, eliminating risks for divers. With advanced technology, they enhance efficiency and accuracy, enabling effective monitoring and maintenance of marine ecosystems.

Unique Proposition

Coratia's product features cutting-edge robotics, advanced sensors, and real-time data analytics for unmatched maneuverability and data accuracy in deep-sea environments. Its modular design allows customizable payloads, while AI-driven navigation enhances operational efficiency, distinguishing us in the underwater robotics industry.

Impact

Coratia's technology enhances deep-sea exploration safety and efficiency, enabling precise data collection and inspections. It supports sustainable marine resource management, advances scientific research, and facilitates environmental monitoring, contributing to the preservation of ocean ecosystems.

Roadmap

Coratia's growth plan includes expanding its product line, increasing partnerships for research and exploration, and enhancing marketing for global reach. The company will invest in R&D for advanced technologies and strengthen its presence in key marine sectors.

Products:
UWROV Jaladuta, UWROV Jalasimha

Website:
https://coratia.com

Year of Incorporation:
2021

"Coratia empowers sustainable solutions through innovative underwater robotics, transforming our understanding and protection of marine ecosystems while ensuring infrastructure longevity and performance for a safer future.

Quanfluence

⟨Q⟩ QUANFLUENCE

elevator pitch

Quanfluence enables advanced quantum computing solutions with photonic-based hardware, offering cloud and on-premises systems.

Sujoy Chakravarty
CEO & CO-FOUNDER

Biman Chattopadhyay
CTO & CO-FOUNDER

Aditi Vaidya
CO-FOUNDER

Ravi Mehta
CO-FOUNDER

Dr Sandeep Goyal
CO-FOUNDER

Problem Statement

Quanfluence tackles optimization problems, reducing costs, time, and carbon footprints. Quantum solutions excel on specialized hardware, enabling breakthroughs in drug discovery, molecular simulations, material science, and environmental technology—delivering invaluable benefits to humanity.

Product Innovation

The Ising machine uses opto-electronic hardware to solve QUBO optimization problems, available on-premises and in the cloud via standard APIs. It generates optical quantum states and employs measurement-based quantum computing to solve classical hard problems.

Unique Proposition

The Ising machine combines opto-electronic hardware and software with an all-to-all connected architecture for faster, higher-quality solutions. Its compact design allows for secure isolated deployment, utilizing patent-pending technology for scalable, robust, and cost-effective qubits.

Impact

An optimizer saves millions, accelerates processes, and reduces environmental impact by minimizing waste.
A gate-based quantum computer revolutionizes computing, solving unsolvable problems and cutting solution times for critical issues from years to minutes.

Roadmap

Most of the growth is focused on the optimizer and solutions around it. Quanfluence plan's to grow towards large-scale computer solutions in one dimension and quick edge based on the other. Quanfluence forecast's a 2-3X Y-o-Y revenue growth.

Products:
Optical Ising Machine, Photonic Quantum Computer

Website:
https://quanfluence.com

Year of Incorporation:
2021

> At Quanfluence, we advance photonic-based quantum computing with a powerful Ising machine optimizer to address complex challenges. Our technology has the potential to transform industries, boost global innovation, and positively impact humanity's future.

Manastu Space Technologies

MANASTU SPACE

elevator pitch

Manastu Space revolutionizes satellite propulsion with green, high-performance technology, ensuring safer space operations and agility.

Tushar Jadhav
CEO & CO-FOUNDER

Ashtesh Kumar
CTO & CO-FOUNDER

Problem Statement

Traditional satellite propulsion systems use very toxic and carcinogenic fuel posing safety. The other alternatives are either slow, costly or inefficient, contributing to increased collision risks and space debris.

Product Innovation

Manastu Space's green propulsion system uses a safer hydrogen peroxide-based fuel, enhancing satellite maneuverability and reducing handling risks, leading to safer and more efficient space operations.

Unique Proposition

Manastu Space's propulsion system uses hydrogen peroxide-based green fuel, an advanced combustion chamber, and a high-temperature catalyst. This combination outperforms traditional hydrazine systems with better performance, safety, and maneuverability.

Impact

Manastu Space's technology enhances space safety by reducing hazardous fuel handling, improving satellite maneuverability, and minimizing collision risks. This approach decreases space debris generation, promotes sustainable space operations, and enables more efficient satellite missions.

Roadmap

Manastu Space plans to scale propulsion system deployments, develop in-space services, and expand R&D while forming global partnerships. Their growth strategy targets a significant share of the small satellite market, with goals to achieve commercial in-orbit demonstrations and establish a worldwide presence in satellite propulsion and services.

Product:
Satellite Green Propulsion system

Website:
https://www.manastuspace.com

Year of Incorporation:
2021

> Manastu Space leverages space technology to address Earth's challenges. Their green propulsion system improves satellite operations while promoting sustainability, contributing to a safer and more efficient future.

Agri & Food Tech

Startups revolutionizing agriculture through AI, IoT, and biotechnology. This category spotlights the innovations like precision farming, automated monitoring, bioengineering and sustainable practices to improve crop yields, optimize resource management, and ensure food security.

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GreenPod Labs

GREENPOD LABS

elevator pitch

GreenPod Labs is an agritech startup focused on developing innovative products that extend the shelf life of fruits and vegetables, maintaining their freshness at ambient temperatures.

Founder & CEO:
Deepak Rajmohan

Product:
Active Packaging

Problem Statement

India, the world's second-largest producer of fruits and vegetables, loses nearly 40% of its fresh produce before it reaches consumers. This wastage costs the country approximately $12 billion annually.

Product Innovation

GreenPods product helps extend the shelf life of fruits and vegetables thus reducing the food waste and food loss.

Impact

GreenPods product can reduce the fruits and vegetables spoilage by 80% and GreenPod's product provide 3X ROI for farmers, traders and exporters.

Roadmap

GreenPods plans to expand through two strategies: Horizontal Expansion into multiple categories, including fruits and vegetables, grains and seeds, food products, and milk and meat; and Vertical Expansion into developing markets across Asia and Africa.

Unique Proposition

GreenPod Labs offers a competitive advantage through its proprietary and patented formulation and delivery system, utilizing all-natural bio-active compounds to activate the defense mechanisms of fruits and vegetables. The solution is cost-effective, easy to adopt across the supply chain, and highly customizable based on factors like volume, storage duration, and specific produce types, ensuring tailored protection for a wide range of fruits and vegetables.

Website:
https://greenpodlabs.com

Year of Incorporation:
2019

> "GreenPods is working on solving a critical problem in the agriculture ecosystem using biotechnology, and data science. We're focused on creating a huge impact in the ecosystem through GreenPod's products.

TOP

Biotech & Nanotech

This category represents startups that at the forefront of biotech and nanotech innovation. They are advancing drug discovery, material science, and environmental sustainability, offering solutions for healthcare, agriculture, and industrial processes. Leveraging technologies like CRISPR and nanotechnology for groundbreaking solutions.

BioPioneer

BioPioneer®
Empowered by Innovation

elevator pitch

BioPioneer is India's first producer of thermally stable, wide-spectrum protease inhibitors. NexGen HM is water-soluble, effective, and stable, ideal for biotech, biopharma, vaccines, agriculture, and cosmetics.

Co-Founders:
Dr. Bijayananda Panigrahi
Mrs. Soumya Surajita

Product:
NexGen HM Protease Inhibitor

Problem Statement

Current protease inhibitors require cold storage, are water-insoluble, pH-sensitive, toxic, expensive, and less efficient, with cocktail formulations causing cross-reactions, limiting their effectiveness in biotech protein isolation.

Product Innovation

The newly developed protease inhibitor is a single ingredient that efficiently inhibits a broad range of proteases. It is stable at room temperature, non-toxic, water-soluble, pH stable, and 10-15 times less expensive than existing options.

Impact

New protease inhibitors are effective and stable, benefiting biotech, cosmetics, diagnostics, and biopharma, ultimately supporting healthcare, R&D, and education.

Roadmap

From 2025 to 2027, BioPioneer will optimize production capacity, secure certifications, and collaborate with industries for cosmetic, diagnostic, and agricultural applications.

Unique Proposition

NexGen HM Protease Inhibitor is a stable, water-soluble single ingredient with broad protease inhibition capabilities. It remains stable at ambient and high temperatures, compatible with various buffers and pH levels, non-toxic, EDTA-free, and costs 10 times less, eliminating the need for cold chain logistics.

Website:
https://www.biopioneer.in

Year of Incorporation:
2020

> Nature has everything needed to explore through your knowledge for the betterment of society.

TOP

Cambrian Bioworks

CAMBRIAN BIOWORKS

elevator pitch

Cambrian Bioworks advances healthcare with solutions for next-generation sequencing and molecular diagnostics.

Co-Founders:
Raghav Sridhar
Rohit Asil
Vaibhav Hegde

Product:
Manta

Problem Statement

Healthcare systems struggle with timely diagnostics due to the high cost and complexity of molecular testing, limiting access to precision medicine and early detection, especially in smaller labs.

Impact

Cambrian Bioworks democratizes molecular diagnostics, enabling smaller labs to adopt liquid biopsy and NGS testing, improving early detection, personalized treatment, and patient outcomes in cancer and genetic disorders.

Product Innovation

Cambrian Bioworks develops automated devices and reagents to streamline molecular workflows, enhancing accessibility and affordability of liquid biopsy and NGS, advancing precision medicine and early detection in healthcare.

Roadmap

Over the next 3-5 years, Cambrian Bioworks will enter international markets and develop a robust product pipeline, including automated extraction and PCR machines, to enhance offerings and expand global access to advanced molecular diagnostics.

Unique Proposition

Cambrian's core technology leverages in-house manufactured magnetic nanoparticles in automated devices, boosting workflow efficiency and delivering exceptional results. This method ensures high sensitivity and specificity in diagnostics, making advanced molecular testing accessible and reliable.

Website:
https://cambrianbioworks.com

Year of Incorporation:
2019

> Cambrian Bioworks transforms healthcare by providing cutting-edge solutions that empower labs to deliver accurate and timely diagnostics, ensuring patients receive the best care when they need it most.

TOP

INTE-E-LABS

elevator pitch

A women-led entrepreneur won "Start-up of the Year" for their innovative recombinant protein technology, creating affordable lifesaving treatments to enhance human health.

Founder & Director:
Sonia Madan

Co-Founder & Head, R&D:
Devanand Kumar

Product:
**RECPLASE -
Recombinant Reteplase**

Problem Statement

Cardiovascular diseases cause 17.9 million deaths yearly. Despite 80% being preventable, only 38% recognize symptoms early, highlighting the need for affordable thrombolytic drugs, especially for vulnerable communities.

Product Innovation

Recplase™ is a low-cost, scalable thrombolytic drug, providing rapid reperfusion and simplified administration, designed for accessible cardiovascular care in rural communities.

Impact

Recplase will offer affordable thrombolytic therapy in underserved cities, targeting a growing market projected at $3,491.5 million by 2027.

Roadmap

Inte-Elabs aims to deliver economical recombinant solutions, advancing 11 products to market, and plans to enter bio-manufacturing, targeting $50 million in revenue within three years.

Unique Proposition

Recplase is a FYSEC platform technology that produces highly functional, soluble Reteplase with low HCPs, HcDNA, and endotoxins—the first soluble formulation of its kind. With its cost-effectiveness, scalability, and commercial viability, Inte-Elabs is set to disrupt the thrombolytic drug market.

Website:
https://inteelabs.com

Year of Incorporation:
2020

> INTE-E-LABS is committed to sustainable innovation, using recombinant DNA technology to improve human health, diagnostics, and advance India's indigenization and green initiatives through indigenous innovation.

TOP

Theranautilus

theranautilus

elevator pitch

Theranautilus develops advanced nanorobot fabrication tools for safe deployment in biological systems with precise remote navigation to target specific body locations.

Co-Founders:
Shanmukh Srinivas Peddi, CEO
Debayan Dasgupta, CTO
Ambarish Ghosh, MD

Products:
TheraDrive, TheraBlaze, CalBots, TheraBots

Problem Statement

Theranautilus is developing precision nanorobots to detect and target tumors. Their commercial nanorobot, launching in 2026, will regenerate lost tooth enamel, addressing dental sensitivity and caries, functioning like a nanoscale dental surgeon.

Product Innovation

Theranautilus nanorobots, controlled by electromagnetic devices, detect enamel loss and gum recession, infiltrating tooth microanatomy to regenerate tissue and enable permanent dental repair at 50 nanometers.

Impact

Theranautilus, preparing for 2025 clinical trials, is the first to complete animal trials with tooth-regenerating nanorobots, attracting interest from top pharmaceutical companies for commercialization.

Roadmap

Theranautilus will conduct the first nanorobotics clinical trials, license the technology, and focus on challenges like glioblastoma while advancing research and innovation.

Unique Proposition

Theranautilus, a pioneer in nanorobotic technology, leverages two decades of research to realize visionary concepts by scientists like Richard Feynman, creating intelligent nanomatter for detecting, diagnosing, and treating illnesses.

Website:
https://theranautilus.com

Year of Incorporation:
2020

Medicine. Miniaturized.

Tranalab

TRANA LAB

elevator pitch

Tranalab is creating game changing drugs using Tranalab's platform technology to deliver drugs into macrophages.

CEO & Director:
Nitin Deshpande

Co-Founder:
C. Ganesh

Product:
Novel Macrophage Targeted Drug Delivery Platform

Problem Statement

Inefficient drug delivery to macrophages hinders treatment for dengue virus, WHO-priority bacteria, and Gaucher disease, as these immune cells require targeted therapies for effective results.

Impact

Affordable macrophage-targeted drugs support UNSDP goals, save lives, reduce economic losses, and cut Gaucher disease treatment costs by 75%, while lowering administration frequency for better patient outcomes.

Product Innovation

Tranalab's platform targets macrophages, improving pathogen elimination, reducing costs by 4x, and decreasing administration frequency for Gaucher disease treatments through better drug uptake and stability than existing options.

Roadmap

Tranalab is partnering with a major biopharma to scale its Gaucher disease biobetter. It seeks CarbX funding for AMR bacteria and leverages LifeArc for anti-dengue funding and partnerships.

Unique Proposition

Affordable lifesaving drugs with higher efficacy, lower dosage, lower side effects, potential for shorter regimen and better adherence by patients.

USE CASES
1. Drug against Gaucher disease
2. New Antibiotic against bacteria on WHO critical list
3. Antiviral against dengue (which currently has no approved drug).

Year of Incorporation:
2017

" Tranalab targets macrophages to reduce Gaucher disease treatment costs by 75%, eliminate AMR bacteria, and deliver antivirals for dengue, addressing unmet treatment needs. "

TOP

Cybersecurity

Startups under this category are safeguarding the digital world. They are leveraging AI, machine learning, and blockchain for real-time threat detection, prevention, and response. These innovators focus on securing data, networks, and systems with advanced security solutions, including identity management, encryption, and incident response.

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SecOps Solution

SecOps® Solution

elevator pitch

SecOps Solution is an agent-less patch and vulnerability management platform.

Founder & CEO:
Ashwani Paliwal

Product:
SecOps Solution

Problem Statement

Organizations prioritize CVSS scores over exploitability, causing missed SLAs, non-compliance, and increased cyberattack risks from inefficient patching and unmanaged systems.

Product Innovation

SecOps Solution is an AI-driven, agentless platform for patch and vulnerability management, prioritizing the top 1% of exploitable risks. It automates remediation across applications, infrastructure, and cloud, ensuring compliance and meeting SLAs within seconds.

Impact

SecOps Solution has secured 50,000+ assets, identified 300,000+ vulnerabilities, applied 120,000+ patches, and reduced remediation time by 40%, focusing on top exploitable vulnerabilities.

Roadmap

SecOps aims to expand globally, enhance AI-driven vulnerability detection, scale PatchVault, onboard 500+ enterprises, and integrate with key IT tools for advanced automation.

Unique Proposition

SecOps Solution utilizes a proprietary scanning engine and agentless architecture, enhanced by PatchVault, which automates patch discovery, prioritization, and deployment. This ensures real-time vulnerability detection and remediation across diverse environments without requiring agents.

Website:
https://secopsolution.com

Year of Incorporation:
2020

> SecOps Solution transforms patch management with an agentless approach, prioritizing critical threats in real-time while ensuring efficient, compliant, and uninterrupted operations.

TOP

Energy & Climate Tech

This categoory represents the startups leading the charge towards a sustainable future. They are driving innovations in renewable energy, energy storage, and climate resilience, focusing on reducing carbon footprints. Key technologies include advanced batteries, smart grids, carbon capture, and energy optimization to help industries transition to sustainable energy solutions.

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Chakr Innovation

elevator pitch

Chakr Innovation is pioneering India's green revolution through innovative material science.

Co-Founder & CEO:
Kushagra Srivastava

Product:
Aluminium-Air battery

Problem Statement

India ranks third in global air pollution, with 42 of the 50 most polluted cities. Diesel engines contribute over 30% of emissions, while modern batteries face supply and safety challenges.

Product Innovation

Chakr's retrofit devices cut PM2.5, HC, CO, and NOx emissions by up to 80%, with double the lifetime of competitors. Their innovative batteries provide 9x energy density and 4x the range of lithium-ion alternatives.

Impact

With 75% market share and 950+ clients, Chakr reduces India's carbon footprint, improves air quality, and decreases reliance on international markets through optimized fuel use and aluminum-air batteries.

Roadmap

Chakr's robust pipeline includes upcoming RECD devices for marine and railway applications, the commercialization of aluminum-air batteries, and plans for in-house substrate manufacturing in the coming years.

Unique Proposition

Chakr's advanced technology ensures sustainability with 90% emission reduction and superior fuel efficiency. Their innovative aluminum-air batteries, supported by 25 patents, provide a non-flammable, 100% recyclable alternative with greater energy density and faster swapping than lithium-ion batteries.

Website:
https://chakr.in

Year of Incorporation:
2016

" Obsession is a competitive advantage. If you are not obsessing over what you are working on, you will most likely not meet expectations. "

TOP

ECOSTP Technologies

ECOSTP®
sewage to gold™

elevator pitch

Patented Zero Power, Zero Chemical, Zero Operator, Sewage Treatment Technology with 250+ happy customers.

Founder & CEO:
Tharun Kumar

COO:
Lokesh Rajashekaraiah

Product:
ECOSTP

Problem Statement

India treats only 7% of its sewage, while 80% of global wastewater goes untreated, per the UN. Conventional STPs are energy-intensive, and countries like India lack the power to treat sewage efficiently.

Product Innovation

ECOSTP's unique technology treats sewage in a decentralized, self-sustainable way in underground chambers without power, chemicals or human intervention. There are 'no moving parts'. ECOSTP's mission is to reclaim every drop of wastewater, naturally.

Impact

ECOSTP's IMPACT METER has reclaimed 4 billion liters of sewage, saved 5,762 tonnes of coal, 7,202 MWH, and received 25 client testimonials.

Roadmap

ECOSTP aims to save 10 billion liters of sewage, 5.2 million tonnes of coal, and sequester 8 million tonnes of CO_2 next year, while advancing 'Phenol Eating Bacteria' research in collaboration with IIT Jammu.

Unique Proposition

ECOSTP uses biomimicry, replicating the natural processes of a cow's stomach, to transform wastewater into clean water—just as a cow turns grass into milk, meat, and wool.

Website:
https://www.ecostp.com

Year of Incorporation:
2017

Watch the video:
ECOSTP & IIT Jammu R&D Innovation

> Water should be reused at least 100 times. In fact, ECOSTP clients reuse treated wastewater for toilet flushing over 1,000 times, achieving a net positive of 1,000 reuses—it's possible!

TOP

Newtrace

newtrace

elevator pitch

Newtrace develops efficient and affordable electrolyzers for scalable green hydrogen production, enabling widespread clean energy adoption.

Co-Founder & CEO:
Prasanta Sarkar

Co-Founder & CTO:
Rochan Sinha

Product:
Membrane-less green hydrogen electrolyzer

Problem Statement

Grey Hydrogen, produced from fossil fuels at $2/Kg, dominates the market despite its pollution. In contrast, Green Hydrogen, costing $6/Kg, faces challenges in adoption, particularly in hard-to-abate industries like steel and fertilizers.

Product Innovation

Newtrace's scalable electrolyzers produce zero-emission green hydrogen, cutting CO_2 emissions from 10kg to 0 per kg and reducing costs to compete with grey hydrogen.

Impact

Fossil-fuel hydrogen emits 10 kg of CO_2 per kg, totaling 1 billion tonnes annually. Newtrace's scalable electrolyzers offer a solution to decarbonize this industry.

Roadmap

Newtrace aims to scale its manufacturing facility to meet global demand and has won the GoI's PLI bid for 30MW electrolyzers. Over the next 3-5 years, it seeks to lead electrolyzer markets and explore decarbonizing long-haul mobility and steel.

Unique Proposition

Newtrace's electrolyzers eliminate membranes and rare-earth metals, reducing costs and supply chain risks. With precision fluid engineering and enhanced electrocatalysts, their technology lowers the levelized cost of green hydrogen to ~$3/kg, enabling broader industrial adoption.

Website:
https://www.newtrace.io

Year of Incorporation:
2021

> Consumers have shouldered the burden of decarbonization; It's now time for industries to fulfill their commitments and shift away from fossil fuels.

TOP

oorja

elevator pitch

oorja enable's better batteries by building complex battery predictive models across the product lifecycle using patented physics + ML.

Co-Founders:
Prashant Srivastava
Vineet Dravid

Product:
The oorja Product Suite

Problem Statement

oorja helps enterprises optimize battery design, reducing costs and time while ensuring safety and performance. It also estimates remaining useful life and health prognostics of battery packs in use.

Product Innovation

oorja employs a patented hybrid approach combining physics and machine learning, enhancing predictive modeling of physical systems and enabling engineers to make informed design decisions while minimizing field data for battery performance monitoring.

Impact

oorja has demonstrated reduction in the entire battery pack design time for automotive OEMs by up to 50%.

Roadmap

oorja aims to deliver enterprise-level solutions from initial battery design to product monitoring, with plans to scale its adaptable tech stack across various engineering fields in the future.

Unique Proposition

oorja's unique blend of physics and machine learning integrates physical insights with field data, allowing engineering teams to make informed design decisions and seamlessly incorporate feedback into future design cycles, unlike traditional methods.

Website:
https://oorja.energy

Year of Incorporation:
2022

> oorja will revolutionize digital twins by integrating physics with data,breaking down silos, and empowering engineering teams to make informed decisions throughout the product lifecycle.

TOP

Tranzmeo IT Solutions

elevator pitch

Tranzmeo is a deep-tech company utilizing AI, machine learning, and fiber acoustic sensing for anomaly detection in oil pipelines, well integrity, border security, and rail track monitoring.

Founder & CEO:
Safil Sunny

Product:
Tranzmeo OneView Systems platform

Problem Statement

Existing methods rely on passive inspections, requiring personnel to physically monitor critical assets like pipelines, railway tracks, and borders, highlighting the need for effective, real-time monitoring solutions for large-scale infrastructure.

Product Innovation

Tranzmeo's OneView Systems platform utilizes Artificial Intelligence, Machine Learning, High-Performance Computing, and Distributed Fiber Acoustic Sensing to accurately detect activities around high-value assets, achieving precision within one meter.

Impact

Tranzmeo has successfully deployed their solution across more than 4,000 kilometers nationwide, detecting and preventing over 20 pilferage attempts in remote oil and gas pipelines.

Roadmap

Tranzmeo aims to partner with 15 system integrators across five countries, securing long-term contracts for 6,000 miles of infrastructure, including five oil wells, targeting a cumulative order book of around $90 million.

Unique Proposition

Tranzmeo's platform leverages big data with a training set of over 22 million records, specifically designed for fiber sensing technology.

Website:
https://tranzmeo.com

Year of Incorporation:
2017

"Tranzmeo revolutionizes monitoring with advanced fiber sensing technology, providing innovative solutions for anomaly and intrusion detection to protect critical assets, creating a smarter, more secure world across industries."

TOP

Enterprise Tech

Startups empowering businesses with cutting-edge technology. This includes Innovating in cloud infrastructure, AI-driven analytics, DevOps, and automation. These startups are improving business operations with tools for collaboration, customer relationship management (CRM), supply chain management (SCM), and business intelligence.

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A5G Networks

elevator pitch

A5G Networks pioneers AI-native 5G connectivity, enabling enterprises, municipalities, and organizations to revolutionize their infrastructure and optimize operations.

Co-Founder & CEO:
Rajesh Mishra

Co-Founders:
Kaitki Agarwal, President
Kartik Raval, VP Technology
Ravi Nathwani, VP Technology

Product:
ANoNCore

Problem Statement

Managing wireless telecom networks is complex due to dynamic configurations and user demands. Generative AI simplifies operations, addressing challenges in edge-centric, multi-cloud environments with existing interfaces.

Product Innovation

A distributed packet core architecture is essential for meeting demands, enabling autonomous behavior, webscale networking, and an AI-native stack to simplify multi-cloud, hybrid, and bare metal infrastructures.

Impact

AI integration in the ANoN Core ensures scalability, adaptability, and OPEX reduction, making it future-ready for digital innovation with cloud-native architecture.

Roadmap

A5G Networks aims to penetrate the mid-market segment with NaaS, large enterprise private networks, and smart city solutions, anticipating 30-40% YoY growth driven by a strong revenue pipeline and customer contracts.

Unique Proposition

ANoN Core is a forward-looking platform addressing mobile network challenges while ensuring robust security, operational ease, scalability, and resource efficiency. It is adept at managing the complexities of emerging technologies like 5G, IoT, and edge computing.

Website:
https://a5gnet.com

Year of Incorporation:
2021

A5G Networks revolutionizes industries with enterprise private networks for critical sectors and innovative 4G/5G deployments, becoming the go-to partner for connectivity infrastructure in digital transformation.

TOP

Rezo.AI

elevator pitch

Rezo.AI automates contact centers using AI to enhance efficiency and agent performance, unlocking data insights for personalized interactions and improved customer satisfaction.

Co-Founders:
Manish Gupta
Dr. Rashi Gupta

Product:
Engage AI

Problem Statement

Traditional contact centers face challenges with high call volumes and repetitive tasks, resulting in agent burnout and low customer satisfaction, while missing valuable insights that hinder performance improvement and create ongoing inefficiencies.

Product Innovation

Rezo.AI transforms contact center operations through AI-driven automation and analysis of customer interactions, improving agent performance, ensuring compliance, boosting revenue, and providing multi-channel support in over 20 languages at minimal cost.

Impact

Rezo.AI automates contact centers in 20+ languages, boosting efficiency by 30%, improving first-call resolutions, enhancing agent performance, cutting costs, and driving revenue growth with insightful data.

Roadmap

Rezo.AI's 3-5 year growth plan aims to expand globally, enhance Conversational AI capabilities, strengthen partnerships, and acquire top international talent to scale operations in BFSI, telecom, and retail industries.

Unique Proposition

Rezo.AI integrates advanced AI, NLU engines, and multi-channel support with real-time analytics, ensuring seamless automation, enhancing agent productivity, and delivering strategic insights for unmatched efficiency and customer satisfaction in over 20 languages.

Website:
https://www.rezo.ai

Year of Incorporation:
2017

Rezo.AI emphasizes leveraging AI to enhance customer engagement, empowering businesses to deliver personalized and efficient interactions that transform customer experience into a competitive advantage.

TOP

Fintech

This category spotlights the startups that are reshaping the financial landscape. Leveraging AI, blockchain, and digital payments to introduce innovative solutions for personal finance, DeFi, lending, insurance, and wealth management. Enhancing financial inclusion and accessibility.

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AlgoBulls

algobulls®

elevator pitch

AlgoBulls is an AI-backed algorithmic trading platform that democratizes capital markets trading for the masses.

Founder & CEO:
Pushpak Dagade

Product:
Phoenix Copilot

Problem Statement

In Algo Trading, the majority of the time goes into tech and data management, leaving less for winning strategies. AlgoBulls solves this problem by empowering users to create & execute simple to complex strategies with the least possible effort.

Impact

Previously limited to giants like Goldman Sachs, algo trading is now accessible to 55K+ users in India and the US with AlgoBulls' effortless automation products.

Product Innovation

- **Odyssey:** India's first marketplace for ready-made trading strategies.
- **Phoenix:** India's first full-code algo-trading product.
- **Phoenix Copilot**: The world's first Gen AI-powered full-featured algo-trading product.

Roadmap

Support for 100+ Indian Brokers (all major brokers); Support for 20+ US Brokers (Charles Schwab, Fidelity, JP Morgan and more); 10M+ USD in annual revenue; 500K+ Retail clients; 200+ Enterprise clients.

Unique Proposition

Phoenix Copilot empowers anyone with a trading idea to enter the stock market effortlessly, eliminating barriers of expertise and resources. This innovative tool cuts the time to market from months to minutes, leveraging a proven algo-trading engine.

Website:
https://algobulls.com

Year of Incorporation:
2019

Watch the video:
Innovative Trading Strategy Creation with Phoenix Copilot

> Automation in capital markets will exceed 95%, driven by AI bots. AlgoBulls empowers retail investors and SMEs with easy, precise, and efficient trading tools.

TOP

GreenEarthX

GEX
GreenEarthXchange

elevator pitch

Globally connected Tokenized Marketplace for trading Low Carbon New Energy Molecules and Green Certificates.

Founder & CEO:
Dr. Sumit D Chowdhury

Products:
**GEX Orchestrator
GEX Marketplace
GEX Research**

Problem Statement

GreenEarthX facilitates early off-take agreements via tokenized contracts, fostering a transparent marketplace. This boosts financing for green fuel plants, ensures certified products with verified carbon footprints, and enhances domestic energy resilience.

Product Innovation

GreenEarthX is establishing an index-linked trading marketplace for green fuels, optimizing supply-demand logistics and accelerating capital deployment for green hydrogen. Its global platform enables trading of LCF molecules and Green Credits, promoting a transparent ecosystem.

Unique Proposition

GreenEarthX has patented a unique method for tokenizing Low Carbon Fuels, traded on independently operated BECKN-powered exchanges. They also developed Smart Contracts specifically tailored for the Green Fuel Industry.

Impact

GEX Platforms will drive over $100 billion in trade by 2030, enabling $1 trillion investment and reducing 300-600 million tons of CO_2.

Roadmap

GreenEarthX intend to grow from 3 countries to 8 countries over 3-5 years; Add 6 fuel products like Green Hydrogen, Ammonbia, SAF, Methanol, Biofuels and eNG.

Website:
https://www.greenearthx.com

Year of Incorporation:
2023

" GreenEarthX revolutionizes the Green Hydrogen ecosystem, attracting trade finance and connecting global stakeholders in a dynamic platform for sustainable energy. "

⌃
TOP

Gen AI

Startups harnessing the power of generative AI. Creating groundbreaking applications in media, entertainment, design, and healthcare. Startups are using Gen AI to enable real-time predictions, automate processes, and improve personalization.

CoRover

CoRover.ai

elevator pitch

Human-Centric Conversational and Generational AI platform aiming to make machine conversations as natural as human.

Founder & CEO:
Ankush Sabharwal

Co-Founders & Directors:
Kunal Bhakhri
Manav Gandotra

Product:
BharatGPT

Problem Statement

Many citizens face unclear procedures, long wait times, inconsistent support hours, and incomplete data from paper forms. Local language support and AI bots are insufficient, limiting effective access to services.

Product Innovation

AI virtual assistants deliver services in users' preferred languages and formats, enabling voice-activated transactions and advisory functions. They enhance customer service with 24/7 support, reducing wait times and fostering a human-like experience.

Impact

CoRover handles 1 million daily queries, serving 1.3 billion users with 90%+ accuracy, 70% query reduction, and 85% positive feedback, all with zero emissions.

Roadmap

CoRover plans to invest in technology, expand its AI team, accelerate growth, and achieve unicorn status, driving AI innovation.

Unique Proposition

BharatGPT is a human-centric conversational AI platform ensuring 10X faster implementation with secure, contextual generative AI. Trusted by 100+ enterprises and serving over 1 billion users in 100+ languages, it enhances operational efficiency by 70% and drives 10X revenue growth through conversational commerce.

Website:
https://corover.ai

Year of Incorporation:
2016

"CoRover champions 'Make AI in India' and 'Make AI Work for India and the World', providing versatile technology for various industries and supporting user-preferred languages and formats."

TOP

Entropik Technologies

entropik

elevator pitch

AI-driven consumer and user research platform with patented Emotion AI, Behavior AI, Generative AI, and Predictive AI technology.

Co-Founders:
Ranjan Kumar, CEO
Lava Kumar, CPO
Bharat Shekhawat,
Head of Engineering

Products:
Decode & Qatalyst

Problem Statement

Entropik's AI-driven insights help businesses understand real-time emotional responses, enhancing customer experience and optimizing research, marketing, and product strategies for better engagement and results.

Product Innovation

Entropik's AI technologies—Emotion, Behavior, Generative, and Predictive AI—analyze real-time consumer responses, enabling precise customer experience optimization via API/SDK integrations.

Impact

Entropik's AI insights boost decision-making, increasing customer engagement by 40%, speeding product optimization by 30%, and improving marketing ROI for personalized, data-driven experiences.

Roadmap

In the next 3-5 years, Entropik plans to expand globally, enhance integration, and deepen its CX, UX, and market research presence, targeting 10x growth in customer adoption and revenue through strategic partnerships.

Unique Proposition

Entropik's patented AI technology merges emotion, behavior, and generative and predictive AI, delivering unmatched insights. Their API/SDK integrations enable real-time data, empowering businesses to enhance CX, UX, and market research effectively.

Website:
https://www.entropik.io

Year of Incorporation:
2016

> Great business decisions start with a deep understanding of your audience. Entropik's mission is to help companies build meaningful connections and create lasting impacts through genuine insights.

TOP

Gahan AI

Gahan AI Pvt. Ltd.

elevator pitch

Gahan AI democratizes road safety with affordable, advanced sensor technology for informed driving decisions.

Founder & CEO:
Dr. Pallab Maji

Product:
DRWIG

Problem Statement

Drwig combines radar and camera technology for 3D occupancy mapping, enhancing navigation, visibility, and safety in challenging Indian traffic, reducing accidents, and improving decision-making.

Product Innovation

Develop all weather Perception Sensor Hardware; Develop AI based Advanced Driver Assistance & Automated Driving Algorithms; Drive-by-wire Vehicles that is controlled using Computer Commands for development, testing & validation.

Impact

Drwig's in-house solution for Indian traffic offers affordable, high-fidelity Edge AI, with 150m detection, all-weather sensor, and scalable radar signal processor SOC.

Roadmap

Gahan's plan for Drwig emphasizes partnerships, R&D, production scaling, and aggressive Indian market penetration, followed by international expansion.

Unique Proposition

Drwig uniquely combines radar and camera technology to create a detailed 3D occupancy map designed for Indian roads. This advanced integration enhances detection accuracy, improves low-visibility performance, and enables seamless vehicle integration, distinguishing it in active safety solutions.

Website:
https://gahanai.com

Year of Incorporation:
2020

To achieve zero human fatality in mobility space.

TOP

LaunchX Labs

LAUNCHX

elevator pitch

Save $Muliti-million+ in damages from data-breaches in Gen-AI solutions by securing it with VectorX DB.

Co-Founders:
Vineet Dwivedi, CEO
Anuraag Dubey, COO

Product:
VectorX

Problem Statement

Consolidated unstructured business data in Vector Databases for Gen-AI applications face cyber threats, while current security solutions fail to address breaches and internal/external risks effectively.

Product Innovation

VectorX DB uses homomorphic encryption for secure ANN searches without decryption, while LaunchX ensures data safety in-memory and at rest, enhancing security and efficiency.

Impact

VectorX DB accelerates Gen-AI adoption by ensuring data security, offering built-in protection for developers, fostering confidence and wider enterprise acceptance.

Roadmap

Over the next six months, LaunchX aims to secure five paying customers and prepare for increasing AI data security demand. Within 12 months, the goal is $1M ARR, targeting $100M ARR in 3-5 years.

Unique Proposition

VectorX DB uniquely combines built-in data encryption with optimization for recall and precision in Gen AI/RAG applications, allowing for efficient ANN searches on encrypted data without performance degradation during decryption.

Website:
https://launchxlabs.ai

Year of Incorporation:
2023

> VectorX DB isn't just a database, it's the future of secure AI. LaunchX safeguards data while ensuring speed, positioning itself as the fortress for tomorrow's AI-driven enterprises.

TOP

Navirego

NAVIREGO

elevator pitch

Navirego is an AI first regtech startup which aims to reduce the burden of compliance to zero for safety critical industries.

Co-Founders:
Dario Barbaro
Vivek Narain

Product:
Cognitive Hub

Problem Statement

Navirego uses AI to automate inspections of documents and drawings in safety-critical industries, reducing manual errors and spot checks, ensuring higher compliance, and eliminating the burden of traditional workflows.

Product Innovation

Navirego's Gen AI platform swiftly benchmarks customer documents against regulations, performs AI-driven risk assessments, and inspects checklists, processes, and drawings, ensuring standardized, accurate compliance in minutes instead of months.

Impact

Navirego cuts design time by 20-25%, automates drawing vetting, boosts compliance, speeds quotes, and increases revenue with AI audits.

Roadmap

Navirego targets $100 million in 5 years by becoming the default platform for Testing, Inspection, and Certification with streamlined document uploads and inspections.

Unique Proposition

Navirego's custom AI and Vision models decipher complex engineering drawings and apply compliance rules, combining deep domain knowledge and AI skills. Its risk assessment of text-based documents is highly industry-specific, enhancing precision.

Website:
https://www.navirego.com

Year of Incorporation:
2024

AI, especially Gen AI, may seem like hype now in safety-critical industries, but it will disrupt traditional workflows within 5-7 years. Start exploring AI today!

TOP

Xane AI

xane.ai
Experience Redefined

elevator pitch

A platform that replaces product manuals with AI powered interfaces using Computer Vision and NLP.

Founder & CEO:
Ayush Jain

Co-Founder & CTO:
Sahil Narain

Product:
Xane Assist

Problem Statement

Unintuitive product handbooks hinder access to new features and safety tips, increasing support costs and reducing user engagement and retention.

Product Innovation

Users can point their camera or use voice/text to get information on product features, faults, or maintenance, and connect to the nearest service network if expert help is needed.

Impact

Xane AI has helped OEM's reduce the cost to service by more than 82%, and completely replaced the printed copies of the car handbooks helping Xane.AI's clients reduce carbon footprint by reducing the usage of paper and saving cost.

Roadmap

Develop AI features to boost user engagement and retention. Strengthen marketing with targeted campaigns and partnerships. Optimize sales for efficiency and use funds to scale operations, expanding into industries like consumer electronics and aviation.

Unique Proposition

Xane AI combines proprietary Computer Vision and NLP engines to deliver a comprehensive user experience, believing neither technology alone suffices. As an early market mover, Xane AI leverages multiple AI aspects for optimal results.

Website:
https://xane.ai

Year of Incorporation:
2017

> We believe that hard work and persistence are the cornerstones of innovation, and the relentless pursuit of goals has the power to transform vision into reality.

TOP

HealthTech

The health sector is seeing rapid adoption of deep tech solutions like AI-driven diagnostics, personalized medicine, and telehealth platforms. Startups in this category are transforming healthcare by improving disease detection, remote monitoring, and patient management, leading to better healthcare accessibility and outcomes.

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BrainSightAI

BrainSightAI

elevator pitch

Building the Google Map of the brain - BrainSight is building VoxelBox, a cloud-based platform to allow clinicians to access cutting-edge brain mapping techniques.

Co-Founders:
Laina Emmanuel, CEO
Dr. Rimjhim Agrawal, CTO

Product:
VoxelBox

Problem Statement

Advanced brain mapping offers transformative potential for diagnosing and treating neurological, psychiatric, and neurosurgical conditions. However, these computationally complex techniques are restricted to research institutions, limiting access for doctors globally.

Impact

Advanced brain mapping enables safer surgeries, early dementia diagnosis, effective psychiatric rehabilitation, and better understanding of conditions like fibromyalgia, migraines, depression, and OCD.

Product Innovation

With VoxelBox, BrainSight is democratizing access to these techniques and in the process building one of the largest brain databases.

Roadmap

In the next 5 years, BrainSight will expand into the USA, partner with Indian hospitals, and grow into neurology and psychiatry.

Unique Proposition

The technology stack is a combination of computational neuroscience algorithms enhanced through AI methods, packaged into cloud dockers that are provided to hospitals through integration with their existing PACS (Picture Archiving systems).

Website:
https://www.brainsightai.com

Year of Incorporation:
2019

"

BrainSight transforms connectomics into a medical-grade product, integrating it with global hospital systems to improve millions of lives.

"

TOP

Genrobotics Medical & Mobility

GENROBOTICS ®
MEDICAL AND MOBILITY

elevator pitch

Designing and developing the most advanced Robotic & AI Solutions to enhance Gait Rehabilitation and improve patient mobility.

Director & CEO:
Vimal Govind MK

Directors:
Arun George
Nikhil NP
Rashid K
Afsal Muttikkal,
Regional Director

Product:
G Gaiter Robotic Gait Trainer

Problem Statement

Gait disability affects millions globally, with 12.2 million stroke cases and 250K-500K spinal injuries annually, limiting accessible gait training and quality of life.

Product Innovation

Genrobotics' AI-driven G-PLOT Exoskeleton Technology enables personalized rehabilitation through automated gait therapy and advanced VR, enhancing patient engagement and recovery with G Gaiter, revolutionizing the rehabilitation landscape.

Impact

Genrobotics' G Gaiter robotic gait trainer revolutionizes rehabilitation by making advanced, affordable therapy accessible. It empowers Physical Medicine and Rehabilitation departments, helping patients regain mobility and improve their quality of life.

Roadmap

Genrobotics plans expansion into India, the Middle East, UK, and Europe, partnering with healthcare providers like the NHS for robotic rehabilitation solutions.

Unique Proposition

G Gaiter's patented GPLOT technology offers smooth, vibration-free gait training with a pneumatic exoskeleton, combining AI and VR for personalized rehabilitation, providing superior comfort and precision over motor-driven systems.

Year of Incorporation:
2021

Website:
https://www.genroboticsmedical.com

> Genrobotics aims to make robotic gait rehabilitation accessible, enhancing mobility recovery and strengthening hospital rehabilitation departments with G Gaiter, while expanding the technology to more healthcare providers.

TOP

Janitri Innovations

Janitri®

elevator pitch

Janitra offers advanced, clinically backed pregnancy monitoring devices for hospitals and homes, ensuring safety and accuracy.

Founder:
Arun Agarwal

Product:
Fetal Maternal and Newborn Monitoring Solution

Problem Statement

Globally, 223 maternal deaths per 100,000 live births and 17 neonatal deaths per 1,000 births reveal critical gaps in continuous monitoring and timely decision-making during pregnancy, delivery, and the postnatal period.

Product Innovation

Janitri addresses the problem by providing advanced pregnancy monitoring solutions for continuous vitals tracking and timely decision-making. Its wearable devices, app, and AI/ML-based tools offer real-time insights, alerts, and early complication detection.

Impact

Janitri's solutions are in 600+ hospitals, impacting 100,000+ mothers and saving 8,000 lives through 23,000+ alerts. With 7 patents, 1,500+ trained professionals, and global expansion to 10+ countries, Janitri drives maternal care innovation.

Roadmap

Janitri aims for $3M ARR and $50K MRR by expanding, launching new products, and optimizing operations. Goals include breakeven, FDA/CE certifications, 500 more hospitals, impacting 100,000 mothers, and training 2,500 professionals.

Unique Proposition

Janitri integrates ECG, EMG, Doppler, Tocotransducer, and AI-driven software for continuous maternal and neonatal monitoring. Its portable, wireless, rechargeable solutions ensure early complication detection, enabling timely interventions in both hospitals and homes.

Website:
https://www.janitri.in

Year of Incorporation:
2016

"Janitri Innovations revolutionizes healthcare by using advanced technologies to create impactful solutions, ensuring no mother or child faces healthcare challenges, enhancing maternal and neonatal care globally.

TOP

lifeandlimb.ai

lifeandlimb.ai
LIFE AND LIMB PRIVATE LIMITED
लाइफ एंड लिम्ब प्राइवेट लिमिटेड

elevator pitch

lifeandlimb.ai develops aspirational, affordable, and accessible bionic prosthetics to enhance independence for amputees.

Founder & CEO:
Nishant Agarwal

Product:
BIONICLI

Problem Statement

Millions of upper limb amputees struggle with limited access to affordable, functional prosthetics, impacting independence and quality of life. Current solutions are costly, lack advanced features, or cause discomfort, highlighting the need for innovation.

Product Innovation

lifeandlimb.ai's bionic prosthetics offer affordable, lightweight solutions with compliant fingers and 3D-printed components, restoring independence and comfort for users, improving on current prosthetics.

Impact

lifeandlimb.ai's bionic prosthetics enhance amputees' quality of life by restoring independence and enabling easy daily tasks. Offering affordable, functional solutions, they increase access to advanced prosthetics and promote social and economic inclusion for those with limb loss.

Roadmap

lifeandlimb.ai aims to expand production, secure FDA and CE certifications, enter global markets, and strengthen healthcare partnerships in bionic prosthetics.

Unique Proposition

lifeandlimb.ai's bionic prosthetics offer compliant fingers, lightweight 3D-printed components, and customizable designs, providing an affordable, functional alternative to traditional prosthetics.

Website:
https://lifeandlimb.ai

Year of Incorporation:
2020

> lifeandlimb.ai's mission is to create affordable, high-quality prosthetics, restoring independence and dignity for amputees by making advanced technology accessible to all, empowering fuller lives.

TOP

Sunbots Innovations

SUNBOTS

elevator pitch

Sunbots developed SMARTON, AI-powered glasses that empower visually impaired individuals through education and independence.

Co-Founders:
Suket Amin, CEO
Deep Parmar, CTO
Ravi Jadhav, COO

Product:
SMARTON

Problem Statement

Visually impaired individuals face challenges in navigating environments, accessing printed materials, and achieving independence. Current assistive technologies are often expensive and limited in functionality, leaving many without accessible solutions.

Product Innovation

SMARTON glasses and apps use Generative AI to assist the visually impaired, providing real-time descriptions, document analysis, and enhancing STEM learning with interactive instructions.

Impact

In September 2024?, SMARTON impacted over 3,700 blind and visually impaired users, analyzing 450,000 images, identifying 160,000+ objects, reading 100,000+ words, recognizing 10,000+ currency notes, and providing 22,000 real-time educational and environmental descriptions.

Roadmap

In 3 years, Sunbots will launch wireless products, target 100K app downloads, 15K device sales, 25K subscriptions, and introduce upskilling courses.

Unique Proposition

SMARTON, India's most affordable smart glasses at Rs. 15,000, offers unmatched accessibility with features like DOC AI, AI Tutor, and SMART EYE. It uniquely provides both device and app-based access, building trust among the visually impaired community.

Website:
https://www.sunbots.in

Year of Incorporation:
2018

" Sunbots' mission with SMARTON is to empower the visually impaired through affordable technology, enhancing education, financial independence, and driving impactful innovation. "

TOP

Manufacturing & Industrial Automation

Startups in industrial automation are utilizing robotics, AI, and IoT to optimize manufacturing processes. This category spotlights the innovations like predictive maintenance, digital twins, and autonomous robots, enabling smart factories that improve efficiency, reduce downtime, and enhance production quality.

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ANSCER Robotics

**ANSCER
ROBOTICS**

elevator pitch

ANSCER mobile robots empower people to handle a larger workload.

Co-Founders:
Raghu V, CBO
Ribin Mathew, CEO
Ebin Sunny, COO
Raj Mohan, CTO

Product:
Anya OS

Problem Statement

ANSCER enhances warehousing and manufacturing by integrating robots with ERP and WMS systems, offering real-time monitoring, analysis, and control for seamless robot management across multiple locations.

Product Innovation

ANSCER uses autonomous mobile robots (AMRs) with advanced sensors and computer vision to optimize material handling. Integrated with ERP and WMS, the robots autonomously transport goods, reducing manual labor and improving real-time operational efficiency.

Impact

ANSCER's technology enhances operational efficiency by automating material handling, reducing errors, and ensuring safety with full US and EU compliance. It optimizes workflows, cuts costs, and delivers faster returns on investment.

Roadmap

ANSCER aims to partner with integrators and distributors, expand globally to 20 countries, and become the "SAP of robotics" within 5 years.

Unique Proposition

Modular systems enable future hardware upgrades. Easy-to-service robots cut downtime by 90%. DIY option service and maintenance to reduce costs, no-code interface making operator-friendly allowing SME companies to build their own dashboard at will.

Website:
https://anscer.com

Year of Incorporation:
2018

> ANSCER Robotics' mission is to transform industrial material movement with cutting-edge automation, enhancing efficiency, reducing costs, and improving safety, while redefining the future of industrial logistics through innovation.

TOP

CeraTattva Innotech

CeraTattva
InnoTech

elevator pitch

CeraTattva supplies advanced ceramic materials for high-temperature applications (500°C to 2800°C), enhancing performance in extreme environments like space and defense.

Founder & CEO:
Ganesh Babu

Co-Founders:
Abha Bharti, CTO
Ravi Kumar N V,
Technical Advisor

Product:
Pre-ceramic precursors for advanced ceramic

Problem Statement

Traditional methods for manufacturing advanced ceramics are rigid, energy-intensive, and costly, restricting design flexibility and disrupting supply chains in space and defense sectors due to embargoes.

Product Innovation

CeraTattva's liquid-based preceramic polymers produce advanced ceramics with flexible formulations, lower temperatures, and complex shapes, reducing costs and ensuring a reliable domestic supply chain for high-temperature, harsh environment applications.

Impact

CeraTattva simplifies ceramic manufacturing, reducing energy use and costs while ensuring supply chain stability and fostering self-reliance in aerospace, defense, and sustainable high-temperature innovations.

Roadmap

In 3-5 years, CeraTattva will scale production, expand high-temperature ceramics, enhance R&D, and pursue strategic partnerships for sustainable growth and market leadership.

Unique Proposition

CeraTattva's proprietary liquid-based preceramic polymer technology offers ultra-high temperature performance (500-2800°C) with flexible formulations and complex geometries. It revolutionizes ceramic manufacturing, improving performance, energy efficiency, and ensuring a reliable domestic supply chain across sectors.

Website:
https://ceratattva.com

Year of Incorporation:
2022

> CeraTattva redefines high-temperature ceramics with innovative solutions, driving sustainability, self-reliance, and performance excellence, transforming challenges into opportunities while elevating industry standards across diverse sectors.

TOP

DocketRun Tech

DOCKETRUN

elevator pitch

DocketRun Tech enhances industrial safety, optimizes processes, and boosts productivity with AI-driven IoT solutions.

Founder:
Ajay S Kabadi

Product:
DOCKETEYE

Problem Statement

Outdated manual processes, delayed incident reporting, inconsistent SOP compliance, and poor monitoring in high-risk areas lead to delays, increased risks, accidents, reduced productivity, and significant negative impacts on industry revenue.

Product Innovation

DOCKETEYE automates process monitoring with AI-driven IoT solutions, ensuring real-time SOP compliance, improving safety, productivity, and revenue through 24/7 monitoring and instant incident reporting, ultimately saving lives.

Impact

DocketRun's AI technology ensures 100% SOP adherence, reducing human error, accidents, and improving quality control and efficiency for clients like JSW Steel and Tata Steel.

Roadmap

DocketRun is growing 3X annually, expanding into steel, mining, aluminum, and oil & gas by scaling AI/IoT solutions for safety, compliance, and optimization.

Unique Proposition

DOCKETEYE is the world's first video analytics platform for analyzing electrical and mechanical processes in steel plants. It scales from 10 to 1,000+ cameras, providing real-time monitoring, SOP compliance, and process optimization for unmatched operational efficiency.

Website:
https://www.docketrun.com

Year of Incorporation:
2019

"

DocketRun streamlines SOP adherence and optimizes processes with AI and IoT solutions, providing real-time monitoring to boost productivity, enhance safety, and support India's economic growth.

"

TOP

Quantum

Startups pioneering the quantum computing revolution. Harnessing quantum mechanics to enable faster, more secure computation, complex simulations, and encryption. Startups in this space focus on quantum processors, communication, and algorithms, revolutionizing industries such as finance, materials science, and pharmaceuticals.

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Qulabs Software India

elevator pitch

Qulabs pioneers miniaturized quantum systems, offering room-temperature quantum memory for scalable, secure long-distance quantum communication and networks in India.

Founder:
Sanjay Chittore, CEO

Product:
Room Temperature- Rack Compatible Quantum Memory

Problem Statement

Qulabs is miniaturizing quantum memory for room-temperature operation, enabling scalable deployment in quantum communication systems, addressing the challenge of bulky, impractical devices for secure, distributed networks.

Product Innovation

Qulabs' quantum memory operates at room temperature, housed in a 19-inch rack with custom optics, enabling scalable, high-performance quantum networks and satellite communication.

Impact

Qulabs' Quantum Memory, part of their Quantum Repeater suite, ensures secure long-distance communication, positioning India as a global leader in quantum technology for defense, finance, and telecom sectors.

Roadmap

Qulabs focuses on miniaturizing Quantum Repeaters for secure communication, aiming for adoption in defense and telecom sectors.

Unique Proposition

Qulabs' innovation uses custom optics, robotic precision alignment, and automation to create India's first 2U rack-compatible room-temperature quantum memory. This breakthrough reduces size while maintaining functionality, enabling scalable, portable quantum communication systems integration.

Website:
https://www.qulabs.ai

Year of Incorporation:
2018

> Qulabs is reshaping secure communication and computation, driving quantum networks, and positioning India as a global leader, pioneering a future that transforms industries and nations through the quantum revolution.

TOP

Semiconductors

Startups driving advancements in semiconductor technology. Developing next-gen chip designs and fabrication methods for AI, quantum computing, and 5G. Creating energy-efficient processors and new architectures to power advanced computing, communications, and electronic devices.

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Cavli Wireless

CAVLI
wireless

elevator pitch

Cavli Wireless designs & manufactures Cellular IoT modules with integrated eSIMs enabling globally connected IoT Solutions.

Founders:
John Mathew
Ajit Thomas
Tarun Thomas George
Akhil Azeeb

Product:
Cellular IoT Modules

Problem Statement

Cavli Wireless simplifies global IoT deployments for OEMs by unifying the fragmented supply chain of hardware, software, and cloud connectivity, allowing OEMs to build effective solutions without managing separate entities.

Product Innovation

Cavli's C-Series modules offer OEMs versatile, multi-network options with integrated eSIMs, seamlessly connecting to the Cavli Hubble cloud. OEMs can procure hardware, test with Cavli firmware, and leverage eSIM for reliable global deployments.

Impact

Cavli's cellular IoT modules with integrated eSIMs empower OEMs to develop globally connected products, supporting multi-network technologies and providing robust edge computing for demanding IoT applications.

Roadmap

Over the next 3-5 years, Cavli aims to grow international presence by 70%, establish a $100 million pipeline, and lead advancements in 5G IoT technology to become a global connectivity leader.

Unique Proposition

Cavli's cellular IoT modules support various network technologies, including LPWAN (LTE-M/NB-IoT), LTE, and 5G, offering OEMs flexibility. With multiple interfaces, wireless connectivity, and extensive OS options with SDK support, they ensure a seamless experience for building and deploying smart connected devices.

Year of Incorporation:
2017

Website:
https://www.cavliwireless.com

Cavli's extensive product line delivers seamless connectivity for global businesses, driving IoT solutions in connected vehicles and smart cities, showcasing its collaborative efforts to expand in the global market.

TOP

Chipspirit Technologies

elevator pitch

Chipsprit offers hardware-based security solutions using VLSI design circuits, focusing on siliconization for higher speed, enhanced security, and customizable, cost-optimized products.

Problem Statement

Software and OS in security solutions are prone to malwares and hacks leading to data lead and security compromise.

Product Innovation

Chipsprit is developing products that are only hardware and do not have any software or OS as a result Chipsprit is eliminating malware and Virus attacks.

Founder & CEO:
Mohan Kumar Jindal

Product:
ABHED1

Impact

Through Chipsprit's products Chipsprit is not only securing the nation's security but also enabling India to be self-reliant for such technologies and aiding in Make in India and import substitution.

Roadmap

Chipsprit is currently working on 9 products and 1 of the products is in the final stages of procurement from the Indian Navy. Chipsprit plans to further deploy this with the other defence forces and scale and deploy Chipsprit's remaining products.

Unique Proposition

Chipsprit's solution is completely hardware with no software or OS as a result they have higher speed and increased security implementations with NIL backdoors. Chipsprit has filed for 13 patents for Chipsprit's technology with 2 already granted.

Website:
https://www.chipspirit.com

Year of Incorporation:
2018

Chipspirit's philosophy is all about the WORK that does not yet exist and cannot yet be clearly defined.

TOP

Morphing Machines

MORPHING MACHINES

elevator pitch

A fabless semiconductor start-up building a global-first innovative processor for new age workloads.

Problem Statement

Morphing Machines addresses the costly and complex processor manufacturing challenge by developing future-proof processors that are both efficient and runtime reconfigurable, keeping pace with the rapidly evolving technology landscape.

Product Innovation

The company's many-core processor Soft IP, REDEFINE, leverages dataflow execution for massive parallelism, enabling updates to hardware for 6G and emerging applications.

Co-Founders:
Deepak Shapeti, CEO
Ranjani Narayan, CTO
S K Nandy,
Chief Scientific Advisor

Product:
REDEFINE

Impact

Morphing Machines' technology boosts computing performance up to 30x, cuts power use by 20x, and reduces TCO through reconfigurability.

Roadmap

Morphing Machines plans to expand its team to 45 by year-end, focusing on FPGA demos, converting customers, and expediting siliconization.

Unique Proposition

REDEFINE, Morphing Machines' IP, is based on an extended RISC-V ISA for reconfiguration and innovative hardware features. The company has received multiple awards for its Polymorphic ASIC architecture and compiler, ensuring seamless software-hardware integration.

Website:
https://www.morphing.in

Year of Incorporation:
2005

As CEO of Morphing Machines, I'm excited to announce our REDEFINE processor, enabling real-time reconfiguration for flexible, scalable compute, democratizing accelerated computing for edge AI and heterogeneous applications.

TOP

Sensesemi Technologies

elevator pitch

Sensesemi revolutionises AIOT with cutting-edge AI-enabled SoCs, empowering smarter, connected edge solutions.

Founder & CEO:
Vijay Muktamath, CEO
Namit Varma, VP Engineering
Vishy M, Chief Architect

Product:
SenseSoC200

Problem Statement

Without intelligent edge systems, connected devices' growth strains data centers, escalating energy demands, real estate shortages, and operational costs, delaying decision-making in real-time applications.

Product Innovation

Sensesemi's flagship System-on-Chip integrates wireless connectivity for real-time data aggregation, reducing latency and enhancing efficiency in healthcare wearables, industrial automation, and smart cities.

Impact

Sensesemi's technology enhances edge data processing, cutting latency and costs, optimizing energy use, and enabling real-time decision-making across healthcare, smart cities, and industrial automation.

Roadmap

Sensesemi's 3-5 year plan targets expanding its IoT product portfolio, strengthening partnerships, boosting R&D, and launching application-specific SoCs to increase market share.

Unique Proposition

Sensesemi's product uniquely integrates ultra-low-power real-time data processing, wireless connectivity, and edge inference into a compact System-on-Chip, optimizing efficiency and reducing latency across various applications.

Year of Incorporation:
2014

Website:
https://www.sensesemi.com

Sensesemi aims to be India's top System-on-Chip provider for AI applications at the edge, developing a comprehensive family of SoCs and wireless peripherals for global AIoT applications.

TOP

Space, Satellite & Defence Tech

Startups exploring the frontiers of space and satellite technology. These startups are innovating satellite communications, earth observation, and space defense. Developing advanced propulsion systems, imaging technologies, and space debris management solutions.

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BluJ Aerospace

BLUJ aero

elevator pitch

BluJ is making transportation time at least 3X faster for passengers & cargo compared to other alternatives.

Co-Founders:
Maruthi Amardeep Sri Vatsavaya, CEO
Utham Kumar Dharmapuri, CTO

Product:
Drones for Agriculture & Industrial application

Problem Statement

BluJ is addressing the problem of inefficiencies in urban and regional transportation due to growing traffic, congestion and requirement of large infrastructure to address these problems.

Product Innovation

BluJ is building Vertical Take-off and Landing aircraft which doesn't need runways, airports etc. BluJ's aircraft are designed for heavy payload and range capability which makes them more economical and versatile for various use cases.

Impact

The largest impact BluJ's products will create is expanding the access of faster transportation through air mobility to tier-2 & 3 cities and even remote regions.

Roadmap

BluJ has successfully flown its first prototype, the largest private aircraft. It plans customer pilots in Q1 2025, with the commercial version 'REACH' targeting market entry in Q3 2026.

Unique Proposition

BluJ's aircraft are powered by Hydrogen electric propulsion system which gives long range and heavy payload. For eg; BluJ's first product 'BLUJ REACH' is a fully autonomous cargo aircraft with 100kgs payload and 250kms range making it the most economical and flexible in its class.

Website:
https://blujaero.com

Year of Incorporation:
2022

> VTOL technology will unlock the true potential of air transport by expanding the reach, but only possible with dedicated efforts from all stake holders towards making it a reality.

TOP

EndureAir Systems

elevator pitch

Endure Air Systems is an end-to-end aerial robotic solutions provider for both defence and civilian applications.

Co-Founders:
Rama Krishna, CEO
Chirag Jain, CTO
Dr. Abhishek, Director

Products:
Sabal, Vibhram, Alakh

Problem Statement

Currently, Endure Air Systems uses porters, manned helicopters, and trucks for high-altitude cargo transport. These options are not scalable due to high ownership costs and limited landing infrastructure at frontier posts.

Product Innovation

Endure Air Systems' autonomous electric unmanned helicopters enhance high-altitude logistics with improved speed, range, and gust handling. They offer cost-effective, tailored support and reliable post-sales service for supply restocking in challenging terrains.

Unique Proposition

Endure Air Systems has a Helicopter-based design-based variable-pitch technology that outperforms other drones with higher endurance, speed, and payload capacity. It enables high-altitude operations, offering disruptive potential by enhancing efficiency & reliability.

Impact

Endure Air Systems has deployed drones with NDRF for various rescue operations, including Turkey's earthquake relief in 2023 and a recent tunnel rescue in Uttarkashi.

Roadmap

Endure Air Systems will lead defense logistics, develop heavy-payload drones, and expand into civilian markets, including air ambulances and global logistics.

Website:
https://endureair.tech

Year of Incorporation:
2018

Endure Air Systems aims to innovate drone technology for sustainable operations in healthcare, asset management, e-commerce, and security, contributing to India's goal of becoming a global drone hub by 2030.

TOP

Ethereal Exploration Guild

ETHEREAL X

elevator pitch

Building the world's first fully reusable launch vehicle, enabling reduction of earth-to-orbit costs to 1/35th of the global average.

Co-Founders:
Manu J Nair, CEO
Prashant Sharma, CTO
Shubhayu Sardar, COO

Product:
Razor Crest Mk-1

Problem Statement

For the past 75 years, access to space has been a luxury, with limited advancements in rocket propulsion technology. This stagnation has kept the global average launch cost at $12,500 per kg (INR 10.2 Lakhs per kg).

Product Innovation

The Ethereal Exploration Guild is developing Razor; Crest Mk-1, the first fully reusable medium-lift launch vehicle. It aims to reduce launch costs to $350 per kg—1/35th of the current average—making space accessible to emerging nations and advancing exploration.

Unique Proposition

- Launch prices range from $350 to $2000 per kilogram, with flexible on-demand dedicated launches to reduce waiting times.
- Each launch supports 16 orbit insertions, accommodating multiple customers without orbit constraints.
- A 72-hour turnaround allows 75 annual launches with just two to three rockets, minimizing manufacturing needs.

Impact

Ethereal Exploration Guild stands out with the world's first fully reusable rocket, enabling significantly lower launch costs. Their unique engine cluster and re-entry methods retain more payload, complemented by versatile payload options, high launch frequency, and multi-orbit insertion capability.

Roadmap

Ethereal Exploration Guild is scheduled for commercial insured launches from FY 26-27 Q4.

Website:
https://www.etherealx.space

Year of Incorporation:
2021

> The Ethereal Exploration Guild envisions significant progress in humanity's quest for civilization, believing that democratizing access to space is essential for nurturing scientific and commercial growth in emerging space nations.

TOP

Garuda Aerospace

elevator pitch

Founded in 2015, Garuda Aerospace leads India's Precision Agri Tech with 400 drones, 500 pilots, and partnerships with TATA, Reliance, and Amazon.

Founder & CEO:
Agnishwar Jayaprakash

Co-Founder & CAO:
Rithika Agnishwar

Product:
Drones for Agriculture & Industrial application

Problem Statement

Garuda Aerospace's drone solutions provide real-time intelligence, enhancing productivity, reducing manual labor, and improving decision-making across agriculture, infrastructure, and defense sectors.

Impact

- **Agri-Drones:** Boost yields 30%, cut pesticide costs 70%, save water 90%, and enhance precision farming, ROI.
- **Industrial Inspection:** Reduce costs, carbon footprints, improve safety, speed decision-making.
- **Defense:** Cost-effective drones provide real-time surveillance, boosting mission success and security.

Product Innovation

- **Agriculture:** Drones increase yields, reduce pesticide, and save water.
- **Industrial Inspection:** Boost safety, reduce downtime with precision.
- **Defense:** Enhance surveillance, improve decisions, reduce risks.

Roadmap

In Years 1-2, expand into Tier 2/3 cities, focus on defense, and in Years 2-5, target international markets.

Year of Incorporation:
2015

Website:
https://www.garudaaerospace.com

Unique Proposition

- **Custom Drones:** Precision spraying, crop monitoring.
- **Advanced Sensors:** Accurate multispectral, thermal, LiDAR data.
- **AI Insights:** Real-time, machine learning analytics.
- **Scalable:** Quick sensor swaps, modular design.
- **Affordable:** Cost-effective alternative to traditional methods.
- **Local Manufacturing:** Made in India, fast support.
- **Data Security:** Robust encryption ensures safety.
- **Sustainability:** Reduces chemicals, optimizes water use.

> Garuda Aerospace believes drones can transform industries and improve lives, delivering affordable, sustainable solutions that empower farmers, enhance efficiency, and strengthen national security for all.

TOP

Okulo Aerospace

Okulo
AEROSPACE

elevator pitch

Revolutionizing aerial data acquisition through Long Endurance Solar-Electric Hybrid Drones that drastically reducing unit data acquisition costs by 5x to 30x.

Founder & CEO:
Parithi Govindaraju

Product:
Long Endurance Solar-electric Hybrid Drone

Problem Statement

Current drones' limited endurance (up to 2 hours) makes large-area monitoring costly and inefficient. Fuel-operated UAVs and helicopters incur high costs, while relying on personnel and CCTV increases human error and complicates data management.

Impact

Okulo's technology provides extended flight times for persistent monitoring, enhancing situational awareness and operational efficiency. Their drones empower enterprises and defense to proactively identify and mitigate threats to India's strategic assets in real-time.

Product Innovation

Okulo's Solar-Electric Hybrid UAVs offer up to 8-hour flights, reducing data acquisition costs by 5x-30x. Their endurance enables autonomous, Beyond Visual Line of Sight operations, efficiently monitoring large assets.

Roadmap

Okulo will start commercial operations post-certification. In 3-5 years, it plans to develop HAPS, expand globally, and monetize defense products.

Unique Proposition

Adding solar to fixed-wing drones offers a 30-40% endurance boost, while Okulo's ground-up designed drones provide up to 5x improvement at 1.25x the cost, giving them a competitive edge after analyzing over a million alternatives.

Website:
https://okuloaerospace.com

Year of Incorporation:
2019

"
Okulo revolutionizes aerial data acquisition with long-endurance solar-electric hybrid UAVs, reducing data collection costs by 5x to 30x, reinforcing its commitment to innovative solutions for enterprise and defense.
"

TOP

Selection Framework

applications overall

665

Primary Screening

Application Method
Applications were received for the nasscom emerge 50 Awards 2024 on a predefined questionnaire/application form.

Eligibility Validation
The applications were then validated based on eligibility criteria:

- **Indian Origin:** Only startups based in India were considered.
- **Commercialization Requirement:** Nominated products must be fully commercialized (no ideas, prototypes, or products under development).
- **Deep Tech Focus:** Startups should operate within the deep tech sector.

490

total eligible applications

total startups ranked

146

In-depth Evaluation

Pitch Presentation
The top 146 startups were invited to present their pitches in front of a jury panel. Evaluations were conducted based on their presentations and responses to jury questions.

Evaluation Criteria
We utilized a structured scoring system to evaluate the eligible startups across several critical dimensions:

- Innovation and Scientific Foundation **(25%)**
- Intellectual Property & Technical Feasibility **(25%)**
- Market Fit & Competitive Advantage **(20%)**
- Financial Health & Business Model **(20%)**
- Team and Investor Relations **(5%)**
- Sustainability and Alignment with Sustainable Development Goals (SDGs) **(5%)**

50

final selection

Jury Evaluation

The Top 50
Following this rigorous evaluation process, **the top 50 startups** were chosen for recognition in the nasscom Emerge 50 Awards 2024.
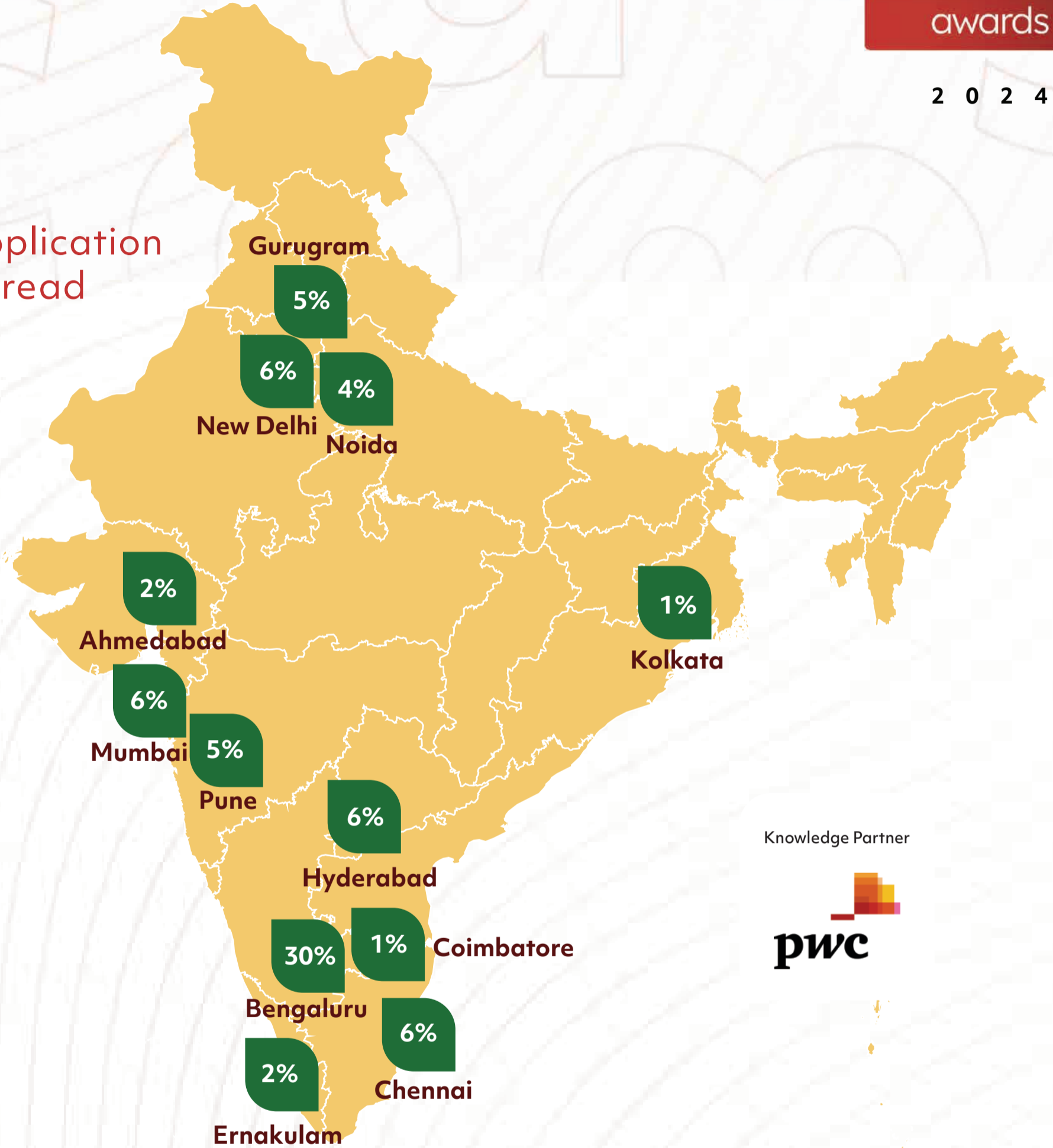
Stages of Evaluation

Knowledge Partner

pwc

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Key Trends & Analysis

Application Spread

Gurugram
5%

6%
New Delhi

4%
Noida

2%
Ahmedabad

6%
Mumbai

5%
Pune

1%
Kolkata

6%
Hyderabad

30%
Bengaluru

1%
Coimbatore

6%
Chennai

2%
Ernakulam

Knowledge Partner

pwc

~40%	~35%	~61%	~49%	~44%
geographic diversity	intellectual property	monetization	funding	women in leadership
265 startups are based out of the non-metro cities	236 startups have a registered IP for their product	397 startups have monetized their product	328 startups have received a funding	292 startups have a woman in the founding team

TOP

Jury Members

Abhishek Kakkar
Indian Angel Network

Abhinav Aggarwal
Fluid AI

Abhishek Sahay
Amadeus Labs

Akhil Srivastava
Manhattan Associates

Ashay Gupta
Xynteo

Amanda Sequeira
Ankur Capital Fund

Aniketh MJ
Ideaspring Capital

Ananth Aravamudan
Villgro

Amit Gupta
Hughes Systique Corporation

Amol Khire
Productsup

Anil Joshi
Unicorn VC

Ankita Shah
Impact Global

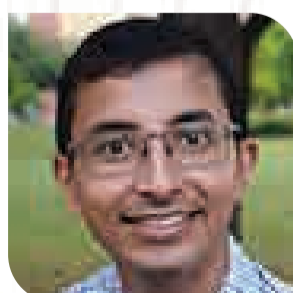**Anupam Saronwala**
Advisor & Angel Investor

Anurag Jain
Yum Brands

Anuraj Soni
Genpact

Anuroop Iyengar
Cogknit Semantics Pvt. Ltd.

Arun Sreelalan Iyer
Quantrium

Arun Raghavan
Arali Ventures

Asif Khan
Fidelity Investments

Atul Batra
Advisor

TOP

Jury
Members

**Bhat
Dittakavi**

Variance.AI

**Bharat
Gera**

Human Centric
Healthcare Ecosystem

**Chandrasekhar
Koduru**

Veeda Clinical
Research Limited

**Deepa
Vijayaraghavan**

PayPal

**Deepak
Agrawal**

Dexter Capital Advisors

**Devika
Bhalla**

ServiceNow

**Dhanshree
Sahasrabuddhe**

Freelancer &
Consultant

**Dhiraj
Jain**

Dot Konnekt

**Dinesh
Chawla**

TransUnion

**Divya
Bhargava**

Amway India
Enterprises Pvt. Ltd.

**Divya
Sharma**

Salesforce

**Dr. Arun
Balodi**

Dayanand Sagar
University

**Dr. Reshma
SV**

PES University

**Dr. Anish
Agarwal**

Dr. Reddy's
Laboratories

**Dr. Bhagwati
Prasad**

Koita Centre for
Digital Diabetology-RSSDI

**Dr. Jai
Asundi**

Center for Study of
Science, Technology
and Policy

**Dr. Amit
Dua**

BITS Pilani

**Dr. Kalliat C
Janardhan**

Manipal Hospital

**Dr. Prasun
Mishra**

Precision BioPharma

**Dr. Rohan
Chinchwadkar**

IIT Bombay

TOP

Jury Members

Dr. Sandeep Joshi
BITS Pilani

Dr. Sarma M.V.K
Karkinos Healthcare

Dr. Vidya Niranjan
RV College of Engineering

Gaurav Mittal
Stripe

Geetha Adinarayan
IBM

Girichandra Kuchangi
1Crowd

Harshal Gupta
Arali Ventures

Harsha Sachdev
Arali Ventures

Janani Jayaraman
ServiceNow

Jaspreet Singh
Grant Thornton Bharat LLP

Jitendra Vaswani
Siksha Group

Juby Jose
Turing Company

Kalpana Balasubramanian
Grant Thornton Bharat LLP

Kalyan Kolachala
Intuit

Kapil Agrawal
Chubb India

Karthik Padmanabhan
Google

Kaustubh Nath
Indian Angel Network

Karthikeyan Ramamurthy
Amadeus Labs

Krishnakumar Natarajan
Mela Ventures

Manjunatha Gurulingaiah Kukkuru
Infosys

TOP

Jury Members

Mann Mohan Prasad
Charter Member TiE

Mansi Aggarwal
Alkemi VP

Mayuresh Raut
SEA Fund

Murali Krishna Gunturu
Inflexor Ventures

Manjesh Basavarajaiah
Campus Fund

Muthusamy Chelliah
Flipkart

Narayanan Suresh
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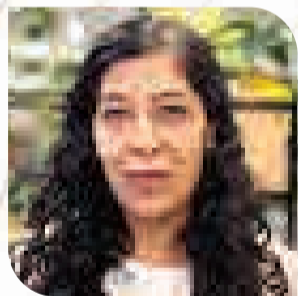**Navin Anand**
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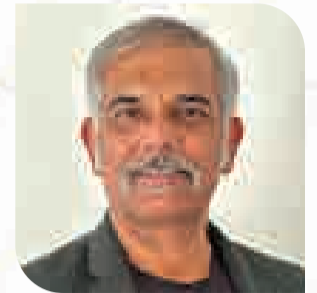
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