



DEEP TECHNOLOGY SHOWCASE

The DeepTech Startup Showcase at ESTIC 2025 presents a curated selection of 30 pioneering startups that represents a cross-section of India's growing Deep Technology (DeepTech) ecosystem.

These startups have been nominated by various Ministries and Departments of the Government of India, reflecting a whole-of-government effort to identify and highlight scientifically advanced, IP-led, and commercially viable technologies with potential for national and global impact.

Spanning a diverse array of domains including Space and Defence, Quantum Technologies and Cybersecurity, Health and Life Sciences, Semiconductors and Advanced Electronics, Industry 4.0 and Manufacturing, Artificial Intelligence, Water, and AgriTech, these ventures collectively demonstrate India's growing ability to translate high-end research into scalable industrial applications.

Many of the featured startups have originated from India's premier research and academic institutions, including the IITs, IISc, and national laboratories, and are led by scientist-entrepreneurs who embody the spirit of *Atmanirbhar Bharat* and the aspiration for *Viksit Bharat @ 2047*. Their innovations demonstrate the convergence of scientific excellence, engineering ingenuity, and entrepreneurial vision, marking important steps in India's progress from a knowledge economy to a science-led innovation economy.

The DeepTech Startup Showcase at ESTIC 2025 is a showcase of our commitment to strengthening India's DeepTech ecosystem through facilitation of cross-sectoral collaboration, translational research support, and ecosystem development. It serves as a platform to recognize and promote the next generation of national champions in frontier technologies, contributing significantly to India's emergence as a global hub for deep scientific enterprise.



DEEP TECHNOLOGY STARTUPS @ ESTIC 2025

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Brief Information on the Founders and Startups

1. Abyom SpaceTech and Defence



Jainul Abedin

Brief Profile: Jainul Abedin is the Founder and CEO of Abyom SpaceTech and Defence, and is a visionary leader in Space Technology. At 16, he envisioned a reusable rocket and founded Abyom in 2020 at the age of 19. Abyom has since established India's first commercial rocket engine testing facility, successfully conducting over 150+ engine tests. Jainul has authored over 5+ research papers, holds 3 patents, and has been honored with prestigious accolades such as Forbes 30 Under 30-Asia, the Chief Minister's Award (UP), Aegis Graham Bell Excellence Award, recognition as a TEDx Speaker. As one of the youngest innovators and entrepreneurs, as well as an Emergent Ventures Fellow, he exemplifies visionary leadership.

About The Startup: Abyom SpaceTech and Defence is a pioneering Indian SpaceTech enterprise developing next-generation reusable rockets, space infrastructure, and dual-use defence technologies. The company's innovations position it at the forefront of India's emerging private space ecosystem. Currently operating at Technology Readiness Level (TRL) 6–7, Abyom has successfully designed, built, and tested a re-ignitable 2.5 kN rocket engine, completing over 150 hot-fire tests at a privately owned rocket engine test facility.



2. QpiAI



Dr Nagendra Nagaraja

Brief Profile: Dr Nagendra Nagaraja is the Founder, CEO & Chairman of QpiAI India Private Limited. At QpiAI he leads a team of scientists. that built one of India's own and powerful Quantum Computers. He built QpiAI from the ground up with 100+ engineers and PhDs which is a world class deep tech team. He is also instrumental in policy advocacy for National Quantum Mission (NQM), where QpiAI has been awarded first investment from NQM to build 64 qubit Quantum chip. He has over 25+ years of Industry experience. He has 30+ granted patents in the areas of AI/ML, Security, Wireless, and Multimedia, and many patents under review.

About The Startup : QpiAI is a Bengaluru-based deep-tech company pioneering the convergence of quantum computing and artificial intelligence to address complex, large-scale enterprise challenges. The company is developing an integrated technology stack that combines quantum hardware, AI-driven algorithms, and hybrid computing platforms to deliver breakthroughs in optimization, simulation, and data analytics. With a focus on advancing India's quantum computing capabilities, QpiAI is enabling industries to harness next-generation computational power for real-world applications in sectors such as energy, logistics, finance, and materials science, contributing to India's growing presence in the global quantum–AI revolution.



3. Atreya Innovations



Aniruddha Joshi

Brief Profile: Aniruddha Joshi is the Founder and CEO of Atreya Innovations Pvt. Ltd. (AIPL), where he leverages data science to unlock the insights of Ayurveda and wellness. During his PhD in Computer Science at IIT Bombay, he pioneered technology to capture physiological data from the wrist through Ayurvedic pulse diagnosis (Nadi Pariksha), establishing, for the first time, correlations between pulse signals and physiological as well as psychological disorders. Building on this research, he founded AIPL to digitize Nadi Pariksha. His work was pioneering in the development of a predictive and portable device operating on principles of *Ayurveda*. Aniruddha is a first-generation entrepreneur, second-generation researcher, and third-generation problem solver advancing the integration of Ayurveda into modern healthcare.

About The Startup : Atreya Innovations, through its flagship innovation Nadi Tarangini, is bridging the gap between ancient Ayurvedic wisdom and modern digital health. The startup has developed ultra-sensitive sensors integrated with advanced AI-based algorithms to perform precise and data-driven pulse analysis (Nadi Pariksha). The system captures subtle pulse signals and generates accurate, personalized diagnostic reports via a centralized analytics platform, offering insights into an individual's physiological and psychological state. By digitizing traditional diagnostics with scientific rigor, Nadi Tarangini is redefining preventive healthcare through a unique blend of technology, data science, and Ayurveda.



4. Sarvam AI



Pratyush Kumar

Brief Profile: Dr. Pratyush Kumar is the Co-founder of Sarvam and a leading voice in India's AI ecosystem. A two-time founder, he previously built AI4Bharat and OneFourth Labs, both instrumental in advancing open-source AI for Indian languages. Prior to founding Sarvam, Dr. Kumar was a researcher at Microsoft Research and IBM. He has published over 89 research papers at top-tier conferences and journals, contributing to both academic and applied advances in the field. Dr. Kumar holds degrees from IIT Bombay and ETH Zurich and continues to build AI that reaches every corner of the country.

About The Startup : Sarvam aims to lead transformative research in AI that will make development, deployment, and distribution of GenAI apps in India significantly robust, performant, and cost-effective. With Sarvam's generative AI building blocks, enterprises can unlock new market opportunities, establish direct and deeper connect with their customers.



5. Skyroot Aerospace



Pawan Kumar Chandana

Brief Profile: Pawan Kumar Chandana is the Co-Founder & CEO of Skyroot Aerospace, India's pioneering space launch service provider providing flexible and cost-effective access to space access to space through its Vikram-series launch vehicles. Under his leadership, Skyroot successfully launched India's first privately developed rocket, scaled to a team of 500+ space professionals. A former ISRO scientist and IIT Kharagpur alumnus, Pawan has been featured in Forbes 30 Under 30 Asia and named among the Next 100 Young Achievers by India Today.

About The Startup : Skyroot Aerospace is an innovative space technology company dedicated to making spaceflight affordable, reliable, and accessible. The company designs and develops the Vikram series of launch vehicles, engineered to provide on-demand and cost-effective satellite launch services for commercial, governmental, and scientific missions. With a focus on reusability, modular design, and rapid production, Skyroot Aerospace became the first private Indian company to successfully launch a homegrown rocket, marking a historic milestone in India's space sector. Through its commitment to technological excellence and sustainable launch solutions, Skyroot is propelling India toward a new era of private space exploration and global competitiveness in orbital access.



6. Ather Energy



Swapnil Jain

Brief Profile: Swapnil Jain is Co-Founder and the Chief Technical Officer of Ather Energy Limited. He works on both the long-term technology roadmap for the Company, as well as day-to-day aspects of creating an engineering team and culture. He holds a bachelor's and masters' degree in technology in engineering design from Indian Institute of Technology, Madras. He has received 'Young Entrepreneur' award from the All India Management Association and was named in the list of 'India 30 under 30' by Forbes India in 2018 and in Fortune '40 under 40' in 2019, 2021 and 2023.

About The Startup : Ather Energy is a Bengaluru-based electric vehicle company transforming urban mobility through its range of high-performance, intelligent electric scooters and integrated charging infrastructure. The company's products combine cutting-edge engineering, smart connectivity, and sustainable design to deliver a seamless and efficient riding experience for modern commuters. Alongside its flagship scooters, Ather is building 'Ather Grid', one of India's largest fast-charging networks, supporting the country's transition toward cleaner, smarter, and more connected transportation. By driving innovation in both vehicle technology and energy infrastructure, Ather Energy is redefining India's EV ecosystem and accelerating the shift toward a sustainable mobility future.

7. EndureAir Systems



Rama Krishna

Brief Profile: Rama Krishna Mendu is the Co-Founder and CEO of EndureAir Systems Pvt. Ltd., a deep-tech UAV company incubated at IIT Kanpur. An Aerospace Engineer with an integrated B.Tech–M.Tech degree and a Doctorate in progress from IIT Kanpur, he has specialized in rotorcraft aerodynamics, VTOL systems, and UAV design. Under his leadership, EndureAir has developed advanced heavy-lift, high-altitude, and hybrid UAVs serving defense, logistics, and infrastructure sectors. Rama embodies India’s growing spirit of innovation and self-reliance in aerospace technology.

About The Startup : EndureAir Systems is a deep-tech aerospace startup spun out of IIT Kanpur, specializing in the design and development of advanced unmanned aerial vehicles (UAVs) optimized for high endurance, heavy payload capacity, and rugged terrain operations. The company’s product portfolio includes ‘Vibhram’, a single main-rotor helicopter UAV, and ‘Sabal 20’, a logistics drone capable of carrying payloads of up to 20 kilograms, both equipped with sophisticated autonomy stacks, communication systems, and real-time monitoring tools. Designed for defence, logistics, and surveillance applications, EndureAir Systems is advancing India’s indigenous UAV ecosystem by delivering robust, field-tested aerial platforms built for mission-critical performance and reliability.



8. QuNu Labs



Sunil Gupta

Brief Profile: Sunil Gupta is a seasoned technology leader, entrepreneur, and strategist with over three decades of experience in building and scaling global businesses across cybersecurity, fintech, and emerging technologies. He is currently the Co-Founder & CEO of QNu Labs, one of India's first companies dedicated to quantum cybersecurity.

At QNu Labs, Sunil is spearheading the mission to make digital infrastructure quantum-safe by pioneering products such as Quantum Random Number Generators (QRNG) and Quantum Key Distribution (QKD) systems. Under his leadership, the company has secured USD 6.5 million in pre-Series A funding (2023) and establishing a strong position in the field of quantum-safe security. His vision is to ensure that organisations, governments, and critical infrastructure are protected against the looming risks of quantum computing attacks in India and globally.

About The Startup : QNu Labs is redefining the future of cybersecurity. QNu's portfolio includes Armos (QKD) and Tropos (QRNG) for quantum-secure key generation and distribution, along with the QShield platform, which offers quantum-safe VPN, messaging, file sharing, and key management powered by NIST-compliant PQC algorithms. Its unique hybrid approach, combining hardware- and software-based encryption, delivers scalable, flexible, and future-proof solutions.



9. ImmunoAct



Dr. Rahul Purwar

Brief Profile: Dr. Rahul Purwar is a professor at Department of Biosciences and Bioengineering at IIT Bombay. He holds a Ph.D. in Molecular Medicine from Hannover Medical School, Germany. Dr. Rahul's professional journey spans various prestigious institutions and roles. Based on his research at IIT Bombay, Dr Purwar founded ImmunoACT in 2018, first cell & gene therapy company in India. Upon successful multiple clinical trials, ImmunoACT received market authorization of the country's first CAR-T cell therapy, and Honorable President of India dedicated CAR-T cell therapy to the nation on April 4th 2024. This is the first of many planned milestones in democratizing access to advanced cell & gene therapies in India. Dr. Purwar's research work is well-recognized in the scientific community, with numerous publications to his credit in esteemed journals.

About The Startup : ImmunoACT, founded by Dr. Rahul Purwar, Professor at IIT Bombay, is one of India's first cell & gene therapy companies pioneering indigenous solutions in advanced cancer treatment. Built on over a decade of academic research, ImmunoACT developed the nation's first CAR-T cell therapy platform a revolutionary immunotherapy that re-engineers a patient's own immune cells to fight cancer. This technology, fully conceived and manufactured in India, has received market authorization and was dedicated to the nation by the Hon'ble President of India in April 2024. With over 400 cancer patients treated, ImmunoACT is bridging the gap between cutting-edge biomedical science and accessible healthcare.



10. Vfuse Metal 4 Manufacturing



Manoj Kumar Jain

Brief Profile: Manoj Jain, a Mechanical Engineering graduate from IIT Roorkee (formerly UOR), brings over 30 years of corporate experience across domestic and international markets, including leadership roles in Fortune 500 companies. With more than 12 years in Additive Manufacturing (AM), he is known for successfully establishing greenfield projects and driving technology-led innovation. A visionary leader with a strong global network, Manoj is deeply committed to professionalism and integrity. His strategic mindset, technical expertise, and hands-on leadership have positioned him as a key force behind the company's growth, global partnerships, and long-term success in advanced manufacturing technologies.

About The Startup : Vfuse Metal 4 Manufacturing is an advanced manufacturing and metal additive technology company pioneering Laser Additive Manufacturing (LAM) solutions for industrial and defence applications. Its technology enables the fabrication of complex metallic components layer by layer directly from 3D CAD models, allowing for high precision, design flexibility, and material efficiency.



11. 3rdiTech (Bharat Semi)



Vrinda Kapoor

Brief Profile: As an Indian Semiconductor fabless companies, 3rdiTech is a part of India's Semiconductor Mission with products being purchased by Indian Air Force, Indian Army, Indian Navy and other security forces in India. Vrinda was presented with an Award of Excellence from the Indian Army. In June 2023, Vrinda accompanied Hon'ble Prime Minister Modi to the CEO Round table held at the White House in United States.

About The Startup : 3rdiTech (Bharat Semi) is a fabless semiconductor company developing advanced image sensors, RF silicon and compound semiconductors, and infrared (IR) detectors for defence, aerospace, and industrial applications.



12. Ahammune Biosciences



Dr Parul Ganju

Brief Profile: Dr. Parul Ganju is a scientist-entrepreneur and the Co-founder and CEO of Ahammune Biosciences, a clinical stage therapeutic focussed company based out of Pune. Having completed her PhD in skin biology, Parul set up Ahammune with a vision to translate her science into products. Ahammune's first drug candidate is an indigenously developed safe and efficacious treatment of skin depigmenting disorder vitiligo. Clinical studies are underway. Besides research and development, Parul also leads business development, fund raising and investor relations at Ahammune. Parul has published her scientific research in leading international journals, filed for multiple patents and has been a recipient of several awards.

About The Startup : Ahammune Biosciences is a clinical-stage biotechnology company dedicated to developing innovative dermatological therapeutics that address unmet medical needs. The company's lead drug candidate focuses on halting the progression of vitiligo - a chronic skin depigmentation disorder - and restoring the function of melanocytes, the cells responsible for skin pigmentation. By combining deep expertise in skin biology, molecular research, and translational drug development, Ahammune is pioneering an indigenously developed, safe, and effective therapy aimed at improving the quality of life for millions affected by vitiligo, while strengthening India's position in biopharmaceutical innovation and skin health research.



13. Dhruva Space



Sanjay Srikanth Nekkanti

Brief Profile: Sanjay Nekkanti is the CEO and founder of Dhruva Space. Under his leadership, Dhruva Space has become a key player in India's rapidly growing Space ecosystem, delivering full-stack Space engineering solutions for the world. Nekkanti has played a pivotal role in numerous satellite missions. He is also the Co-Chair of the FICCI Committee on Space & Geospatial Applications, contributing to Policy Advocacy and strategic Industry Development in India's Space and Geospatial sectors. Nekkanti has degrees from Sri Ramaswamy Memorial University, Chennai, and two Master's degrees from Europe.

About The Startup : Dhruva Space is a space technology company specializing in the design, development, and deployment of satellites and critical subsystems for commercial, governmental, and scientific applications. Its flagship platform, the P-30 microsatellite, is optimized for Low Earth Orbit (LEO) and supports multi-payload configurations ranging from 20 to 50 kilograms, enabling flexible and cost-efficient missions. By offering end-to-end space engineering solutions - from satellite design to integration and operations - Dhruva Space is advancing India's capability to deliver modular, scalable, and globally competitive satellite systems, contributing to the nation's growing leadership in the private space ecosystem.



14. Coldray Plasma Labs



Vrushal Phadnis

Brief Profile: Vrushal Phadnis is the Founder of Coldray Plasma Labs, a deep-tech medtech startup incubated at the Institute of Plasma Research. He leads the development of India's first Cold Plasma Jet device for diabetic wound healing. His vision is to translate advanced plasma science into accessible, high-impact healthcare solutions. With a strong background in innovation, product development, and technology translation, Vrushal is driving Coldray's vision. Vrushal is a Mechanical Engineer from Pune University and holds a masters in Business Administration from PDPU.

About The Startup : Coldray Plasma Labs is a medtech startup pioneering in Cold Plasma Jet technology for advanced wound care. The company's breakthrough product is exclusively designed to accelerate the healing of diabetic foot ulcers (DFU) and chronic wounds, offering a transformative alternative to conventional and often invasive treatments. By harnessing the therapeutic properties of cold plasma, the technology promotes faster tissue regeneration, reduces infection risks, and significantly lowers the chances of amputation.



15. Lifespark Technologies



Amey Desai

Brief Profile: Amey Desai is the CEO of Lifespark Technologies and has over 7 years of AI, engineering and biomedical translational experience. Amey leads the technological development at Lifespark Technologies. Amey has pioneered the development of the national award winning WALK device for Parkinson's Disease and is spearheading the development of other such cutting edge medical technologies.

About The Startup : Lifespark Technologies is a Mumbai-based healthtech startup (incubated at IIT Bombay) that creates medical devices and AI/ML-powered software for chronic neurological conditions like Parkinson's Disease, stroke and spinal cord injury. Their flagship product WALK is a wearable assistive device designed to improve gait, reduce falls and enhance mobility via sensory cueing. In addition, they build supporting digital platforms (mobile & web) to monitor movement parameters, generate reports, and enable communication between patients, caregivers and medical professionals. Their work spans AI/ML, medical devices, embedded systems, and mobile/web applications, with goals toward early-detection and improved quality of life.



16. Nayam Innovations



Tanuj Gigras

Brief Profile: Mr. Tanuj Gigras is the co-founder and CEO of Nayam Innovations which is developing next generation of Intraocular lenses which are personalized to each individual patient. Nayam is backed by marquee investors, industry veterans as well as the Government of India. He is the inventor of the technology and has granted patents in over 26 countries. Tanuj has successfully negotiated large technology licensing deals in the medtech space. Tanuj holds a bachelors and masters degree in engineering physics with specialization in nanosciences from Indian Institute of Technology Bombay. Before founding Nayam he was an investment banker at Credit Suisse, a large investment bank.

About The Startup : Nayam Innovations is a medtech company developing next-generation customizable intraocular lens (IOL) technology for the treatment of cataracts and refractive vision disorders. The company's proprietary platform enables the personalization of IOLs to match each patient's unique visual requirements, significantly improving post-surgical outcomes and optical precision. Backed by strong R&D and global patent protection, Nayam Innovations is advancing India's capabilities in ophthalmic innovation, delivering high-quality, patient-specific solutions that redefine standards in vision correction and eye care technology.



17. Altmin Metals



Ajnani Sri Mourya

Brief Profile: Founder and Managing Director of Altmin, Mourya is a serial entrepreneur, having founded a health care startup prior to founding Altmin and growing Altmin's operations from a battery materials company to a Cathode Active Materials Manufacturer. Mourya is leading projects focused on mineral security for India, availing technology and leveraging supply chains of its partners from South America. Mourya is now a subject expert for the Critical Mineral, EV, Sustainable Energy eco-system in India; and finds himself on multiple panels and podcasts for his expertise and market trend readings, which hold high regard in the Industry.

About The Startup : Altmin Metals is an ingenious Cathode Active Materials (CAM) manufacturer, driving self-reliance in the strategic minerals and battery materials sector. The company is pioneering advanced materials for lithium-ion batteries, crucial for the clean energy and electric mobility transition. Altmin's technology leverages cutting-edge metallurgical processes to produce high-performance, cost-efficient, and sustainable cathode materials from indigenous mineral sources. By localizing this critical component of the battery value chain, Altmin is strengthening India's critical minerals security, reducing import dependence, and enabling the growth of the domestic EV and energy storage ecosystem. Through global partnerships in South America and robust R&D, Altmin is positioning India as a competitive player in the global battery materials supply chain



18. Agnikul Cosmos



Syed Peer Mohamed Shah Khadri

Brief Profile: Moin SPM is an Operations Specialist with 14+ years of experience in Engineering, Manufacturing, and Supply Chain. As Cofounder & COO at Agnikul, he drives manufacturing, operations, and business development. His innovative approach to automate rocket production and launch operations has enhanced Agnikul's manufacturing capabilities, maximizing productivity and consistency. Moin and his team have launched the world's first single-piece 3D printed engine, developed one of India's first private launchpad, and built AS9100D certified manufacturing facilities.

About The Startup: Agnikul Cosmos is a space technology company developing Agnibaan, an innovative multi-stage small satellite launch vehicle designed to carry payloads ranging from 30 to 300 kilograms to Low Earth Orbit (LEO), with deployment capabilities up to 700 kilometers in altitude. Built using advanced materials and 3D-printed rocket engines, Agnibaan offers modular, cost-efficient, and on-demand launch solutions for satellites of varying sizes. By combining indigenous design, rapid manufacturing, and flexible launch configurations, Agnikul Cosmos is redefining accessible and affordable space access, contributing to India's emergence as a global hub for private space innovation.



19. Noccarc Robotics



Nikhil Kurele

Brief Profile: Nikhil Kurele is the co-founder and CEO of Noccarc. Noccarc is a medical devices company, empowering hospitals with smart medical devices. Nikhil is an alumnus of IIT Kanpur, and started up shortly after his graduation. At Noccarc, he leads functions like Sales, Marketing and Investor Relations. For his contribution to healthcare via Noccarc, Nikhil has received several national and International awards, including being featured in the prestigious Forbes 30 under 30 Asia list.

About The Startup : Noccarc Robotics is a medical technology company dedicated to empowering hospitals through smart, indigenously developed critical care devices. The company's flagship product, the Noccarc V730i, is an advanced smart ICU ventilator that meets the complete specifications of a universal ventilator, ensuring compatibility and reliability across clinical environments. All key components including control boards, software, control systems, and hardware have been fully developed in-house, underscoring Noccarc's commitment to technological self-reliance, innovation, and world-class manufacturing standards within India's healthcare ecosystem.



20. FORTYTWO LABS



Nilesh Dhande

Brief Profile: Nilesh Dhande is a technology leader and entrepreneur with over 23 years of experience in building and scaling ventures across cybersecurity, identity, and education technology. As CEO and Co-Founder of Fortytwo Labs, he drives the vision of creating India's first quantum-safe cybersecurity platform, delivering cryptographic identity, post-quantum authentication, and zero-trust access solutions for banks, defense, and critical infrastructure sectors. Previously, Nilesh co-founded Uniken Inc, where he helped design and scale REL-ID. He holds an MBA. A passionate believer in India's potential as a global leader in cybersecurity innovation, he is focused on building ventures that combine cryptographic resilience and entrepreneurial scale.

About The Startup : Fortytwo Labs is a cybersecurity and deep-tech company pioneering in indigenous Quantum-Safe Cybersecurity Platform - π -Control. The platform leverages a suite of proprietary cryptographic innovations including tamper-proof digital identity, quantum-safe mutual authentication, and dynamic key generation and exchange protocols. Designed to secure digital infrastructure against next-generation quantum threats, π -Control provides robust, scalable, and future-proof protection for banking, defence, and critical infrastructure systems. Through its work in post-quantum cryptography and zero-trust architectures, Fortytwo Labs is strengthening India's digital sovereignty and positioning the nation at the forefront of quantum-resilient cybersecurity innovation.



21. Ingenious Research Solutions



Dr Shivani Verma

Brief Profile: Dr. Shivani Verma is Director of Start Up, Ingenious Research Solutions Private Limited, and Professor at Amity Institute of Space Science & Technology, Amity University, Noida. Dr Shivani Verma is a graduate in Electronics & Communication Engineering (ECE) from SLIET, Punjab, post-graduate in Microelectronics from Panjab University, Chandigarh and Doctorate in Wireless Communication from Thapar University, Patiala, Punjab. Her expertise is in Quantum Algorithms, Space Data Analytics, Wireless communication, Sensor Fusion, Image Analysis, Artificial Intelligence and Cognitive Technologies. She has number of publications in reputed National and International journals to her credit.

About The Startup : Divya Drishti is an Intelligent and Innovative Human Recognition System that integrates facial recognition with three immutable physiological parameters - Gait, Skeletal structure, and Movement parameters to identify individuals with high accuracy even in the most challenging conditions. Designed for use by Defence, Paramilitary, Police, and Law Enforcement Agencies, the system maintains at least 95% accuracy under all circumstances.



22. Lekha Wireless Solutions



Ramu T.S.

Brief Profile: Mr Ramu Srinivasaiah is Co Founder and CEO of Lekha Wireless Solutions, Bengaluru based Deep Tech Firm. Started entrepreneurial journey in 2010 by starting Lekha Wireless Solutions along with Co-Founder Amarnadha Reddy. He has experience of 27 years in wired and wireless communication technology and product development. Within Lekha, he is driving the vision and strategy for RAN products for telecom networks including 4G, 5G and 6G.

His expertise includes business development, leading engineering and innovation starting from product design, development all the way to deployment. Under his leadership Lekha is working on a vision to develop Telecom Technology Products for India and World.

About The Startup : Lekha Wireless Solutions is a deep-tech company at the forefront of wireless connectivity innovation, focused on designing and manufacturing advanced radio communication technologies and products for public, private, and defence networks. The company develops indigenous wireless systems that enhance network reliability, security, and scalability across diverse environments. With expertise spanning 5G, tactical communication, and software-defined radios, Lekha Wireless is contributing to India's telecom self-reliance and strengthening the nation's secure communication infrastructure for both civilian and strategic applications.



23. Planys Technologies



Tanuj Jhunjunwala

Brief Profile: Tanuj Jhunjunwala is a 2014-batch alumnus from IIT Madras. Tanuj is Co-founder and CEO at Planys Technologies and currently leads business development and marketing at Planys. As an engineering student at IIT Madras, Tanuj was involved in various inter-disciplinary technical projects and competitions in the field of robotics. His Master’s research on “Underwater Remote Operated Vehicle for Structural Health Monitoring of Submerged pipelines” earned him the ‘Bhagya Lakshmi and Krishna Iyenger Award along with ‘JC Bose Patent award’ at IITM Convocation 2014.

About The Startup : Planys Technologies is a global leader in marine robotics and underwater inspection solutions, pioneering innovations in underwater robotics, non-destructive testing (NDT), and intelligent data analytics. The company’s advanced remotely operated vehicles (ROVs) and proprietary inspection platforms are transforming the way submerged and offshore assets are monitored, maintained, and repaired. Serving the maritime, infrastructure, and energy sectors, Planys Technologies integrates robotics, sensing, and AI-driven analytics to deliver safer, faster, and more precise underwater inspections - positioning India at the forefront of blue economy innovation and deep-tech engineering excellence.



24. RFMW Innovations Lab Limited



Dr Hemanth Gaddam

Brief Profile: Dr. Hemanth Gaddam is the Co-Founder and Managing Director of RFMW Innovations Lab Ltd. He holds a Ph.D. from the Indian Institute of Science (IISc), Bengaluru, specializing in RF and Microwave Engineering. With deep expertise in Computational Electromagnetics, Signal Processing, and Wireless Communication, Dr. Gaddam has been instrumental in advancing high-frequency sensing and radar technologies. His work focuses on developing innovative radar systems and microwave solutions that combine precision engineering with real-world applicability across defence, aerospace, and industrial domains.

About The Startup: RFMW Innovations Lab is a deep-tech enterprise specializing in advanced radar and microwave engineering solutions. The company has developed an innovative Frequency Modulated Continuous Wave (FMCW) Doppler Radar capable of detecting humans and living beings beneath debris, snow, sand, or other obstructive materials during disaster and rescue operations. By leveraging precision RF design, signal processing, and real-time sensing technologies, this radar system enables life detection in challenging and low-visibility environments, offering critical applications for defence, disaster management, and humanitarian rescue missions.



25. Unino Healthcare



Harshini Zaveri

Brief Profile: Harshini Zaveri is a Biodesigner, graduated from Stanford India Biodesign. An Innovator by passion and budding Entrepreneur. Currently a Founder CEO at UNINO HealthCare Private Limited, which brings efficiency in every medical and surgical intervention through her holistic design approach. Her various design work has been recognised by national and international organisations. She has also been featured as top 75 biotech women entrepreneurs in India in a book launched by Mr. Jitender Singh.

About The Startup : UNINO Healthcare is dedicated to offering distinctive, innovative, and advantageous solutions for humanity by introducing cutting-edge technologies within the biomedical industry, all at an accessible cost for the broader population. A testament to this commitment is our flagship product, pleuraGoh-an innovative and patented chest tube management system. This advanced system minimizes complications associated with chest drainage after thoracic, pulmonary, and cardiac surgeries, as well as during other emergency medical scenarios, thereby significantly mitigating the impact on patients and reducing the financial burden associated with complications.



26. Agrihawk Technologies



Sudhanshu Rai

Brief Profile: Both founders are computer science graduates who transitioned from the software industry to agriculture, driven by a mission to bring certainty to farmers' livelihoods. Founded in 2019, the company today works with over 15,000 farmers and has deployed 21,000+ IoT devices across India. For the first time in India, they have developed indigenous agricultural sensors, reducing the cost of precision agriculture. They have also built DeepMet, a high-resolution (4×4 km) weather prediction model using satellite data, developed in collaboration with ISRO.

About The Startup : Agrihawk Technologies specializes in innovative agricultural solutions driven by technology. Their core products focus on precision farming, utilizing IoT sensors, data analytics, and automation to optimize crop yields and resource management. The company aims to enhance productivity and sustainability for farmers by providing real-time insights into soil health, weather conditions, and crop status. Through their advanced technological platform, Agrihawk strives to empower farmers with data-driven decision-making tools, reduce input costs, and promote environmentally friendly practices. Their innovative approach positions them as a key player in transforming traditional agriculture into a more efficient, sustainable, and profitable industry.



27. Pandorum Technologies



Arun Chandru

Brief Profile: Arun Chandru is co-founder of Pandorum Technologies, a tissue engineering and regenerative medicine company. He is an academic entrepreneur and gold medalist from the Indian Institute of Science. Chandru was featured in the Forbes Asia '30under30' list of Healthcare and Science. Pandorum Technologies is supported by the Government of India and marquee investors, and has received notable awards. The company has R&D labs in Bangalore India, and California USA, and works with partners globally.

About The Startup : Pandorum Technologies is a tissue engineering and regenerative medicine company developing cutting-edge therapeutics to restore and regenerate damaged human tissues. With a strong focus on ocular and organ regeneration, Pandorum is advancing breakthroughs in lab-grown human tissues and bioengineered platforms for medical research and clinical applications. By combining deep scientific expertise with translational innovation, the company aims to redefine the future of regenerative healthcare, positioning India as a global leader in next-generation biotherapeutics.



28. VayuJal Technologies



Ramesh Kumar

Brief Profile: Ramesh Kumar, Co-founder of VayuJal Technologies, is an engineer and innovator dedicated to providing accessible and sustainable drinking water solutions. These ventures are focused on implementing cutting-edge technologies, including: Atmospheric Water Generators and Metal and Biological Contamination-Free Water Solutions. His significant contributions to the field are evidenced by his 8 patents and nine publications. He was also an In-House Innovation Resident at Rastrapathi Bhavan in 2019. Ramesh Kumar continues to strive for sustainable means to solve the issue of clean water access.

About The Startup : VayuJal Technologies is a deep-tech startup pioneering sustainable water generation technologies through its proprietary innovation that produces clean, mineralized drinking water directly from atmospheric moisture. By harnessing advanced materials, thermodynamic design, and intelligent control systems, VayuJal's Atmospheric Water Generators (AWGs) provide a reliable, off-grid source of potable water in regions facing scarcity or contamination. The technology is fully indigenous, energy-efficient, and environmentally sustainable, offering scalable solutions for urban, rural, and disaster-relief applications. Through its focus on climate-resilient innovation, VayuJal Technologies is contributing to India's mission for water security and sustainable development.



29. Quantum AI Global



Sanjay Chittore

Brief Profile: With over 25 years of entrepreneurial and technological experience, Sanjay stands as a driving force in shaping India's quantum landscape. Under his leadership, Quantum AI Global has evolved from a six-year-old venture into a name that commands attention across government, academia, and industry circles.

At a time when quantum technology remains largely uncharted, Sanjay is pioneering the roadmap for the Quantum Internet through India's first compact room-temperature rubidium-based quantum memory technology demonstrator. His vision transforms quantum science from a laboratory curiosity into deployable, market-ready systems.

About The Startup : Quantum AI Global is a frontier deep-tech company advancing India's leadership in quantum communication and information systems. The company has developed QMDB01, a quantum optics experimental platform designed for the generation, storage, and retrieval of photonic qubits using rubidium vapor-based quantum memory that operates efficiently at room temperature. The system integrates advanced quantum storage and detection mechanisms and functions on the principles of Electromagnetically Induced Transparency (EIT). Through this breakthrough, QAIG is laying the foundation for the Quantum Internet, enabling secure communication, scalable quantum networks, and next-generation quantum information technologies.



30. R J Instruments



Narendra Jadhav

Brief Profile: Narendra Jadhav is the Founder and Director of RJ Instruments Pvt. Ltd. He has over 30 years of experience in technical plant operations, business development and strategy. RJ Instruments utilizes technology sourced from the Raja Ramanna Centre for Advanced Technology (RRCAT). With a commitment to the 'Make in India' initiative, his goal is to manufacture high-quality cryogenic solutions that cater to various sectors, including chemical, pharmaceuticals, and space technology etc.

About The Startup : R J Instruments is an indigenous cryogenic technology company specializing in advanced cooling systems for scientific, industrial, and space applications. The company has developed a single-stage 30 K class cryocooler integrated with a helium compressor, a critical component for achieving ultra-low temperatures required in precision instruments and high-technology systems. Utilizing the Gifford–McMahon thermodynamic cycle, the cryocooler efficiently attains deep cryogenic temperatures at its cold finger, enabling high reliability and energy efficiency.