



LUMINARIES OF MIIC

INNOVATION TO INSPIRATION

The image features a silhouette of a person's head in profile, facing right, with their hand resting on their chin in a thoughtful pose. The silhouette is filled with various digital and technological icons, including a globe, a Wi-Fi symbol, a smartphone, a laptop, a bar chart, a location pin, a gear, and a network diagram. The background is a light blue gradient with diagonal lines and a subtle grid pattern. At the bottom, the text 'LUMINARIES OF MIIC' is written in a bold, blue, sans-serif font, with a small circular logo containing a stylized figure between the words 'OF' and 'MIIC'.

LUMINARIES OF MIIC





भारत सरकार
GOVERNMENT
OF INDIA

#startupindia



I see startups, technology and innovation as exciting and effective instruments for India's transformation.

Shri Narendra Modi
Hon'ble Prime Minister







भारत सरकार
GOVERNMENT
OF INDIA

सत्यमेव जयते



This is the right moment for India and this is India's moment. India will be unstoppable over the next 25 years.

Shri Dharmendra Pradhan

Hon'ble Minister of Education



“ *Startups' success depends upon*

two important things -

vision to see the invisible opportunities

& mission to solve the impossible things”



From The President's Desk



Dear Readers,

We proudly present the inaugural Coffee Table Book of MIIC, celebrating the MIIC's journey since its establishment in September 2016. Titled "***Innovation to Inspiration: Luminaries of MIIC***", this book showcases our evolution into a premier innovation and incubation center in Rajasthan. MIIC fosters a diverse, sector-agnostic approach to technology incubation, nurturing knowledge-based innovation and entrepreneurial spirit. This book goes beyond success stories; it embodies the resilience and creativity of our entrepreneurs. It features star

start-ups that have disrupted industries and emerging ventures set to make significant impacts. Each narrative reflects the innovative spirit thriving on our campus.

As you explore these pages, celebrate not just achievements but also the journey of ideation, breakthroughs, and overcoming challenges.

May this Coffee Table Book inspire creativity, foster collaboration, and ignite the next generation of innovators. Let's continue pushing boundaries, disrupting markets, and creating a brighter future for Rajasthan.

I wish you all Happy Reading!

Prof. N.P. Padhy

Director, MNIT Jaipur
President, MIIC



From The Secretary's Desk

Dear Readers,

In this Coffee Table Book, we proudly celebrate the innovation and entrepreneurship fostered by MIIC since its inception in September 2016. Located at MNIT Jaipur, MIIC is a pivotal sector-agnostic Technology Business Incubator (TBI), spanning 70,000 square feet. It serves as a dynamic hub where individuals from diverse backgrounds can harness state-of-the-art incubation facilities to realize their innovative business ideas.

MIIC offers a dedicated team of mentors who provide guidance across technical, financial, legal, and intellectual property domains. To date, MIIC has conducted 219 impactful programs and activities, benefiting over 23,000 individuals, including

ecosystem partners. These initiatives range from training programs to investor meets, fostering a collaborative environment for 125 start-ups spanning various domains.

MIIC's mission is to nurture entrepreneurship equally among MNIT Jaipur's community and Rajasthan's innovators, empowering them to transform ideas into impactful ventures. Through strategic partnerships with 15 organizations, MIIC continues to strengthen Rajasthan's entrepreneurial ecosystem.

As we reflect on our journey in "*Innovation to Inspiration: Luminaries of MIIC*" we celebrate the resilience, creativity, and achievements of our start-ups. Their contributions are integral to MIIC's success and the vibrant entrepreneurial landscape of Rajasthan.

Prof. Monica Sharma
Head & Secretary, MIIC



From The Treasurer's Desk

Dear Readers,

I extend heartfelt gratitude on behalf of MIIC for your unwavering support. I've witnessed the transformative impact of our initiatives on aspiring entrepreneurs and Rajasthan's ecosystem.

"Innovation to Inspiration: Luminaries of MIIC" marks a significant milestone. It celebrates our start-ups' successes, their perseverance, creativity, and commitment in driving the ecosystem change.

Since September 2016, MIIC has championed a mission to nurture knowledge-based innovation and entrepreneurship



in an inclusive environment. This book celebrates collaborative efforts that have made MIIC a hub of innovation excellence. It showcases the achievements of our star start-ups, mentor dedication, strategic guidance from partners, and resilience of our community.

I thank all the entrepreneurs who entrusted us with their dreams, and mentors, advisors, and partners whose support was invaluable. MIIC's team organized a plethora of enriching programs benefiting over 23,000 participants, shaping MIIC into a beacon of innovation.

Thanks to the MIIC Start-ups, stakeholders, and ecosystem partners of Rajasthan for their belief in our mission. Together, we'll empower the next generation of innovators.

Prof. Amar Patnaik

Treasurer MIIC



About Jaipur

Jaipur is the capital and largest city of the Indian state of Rajasthan in Northern India. It was founded on 18 November 1727 by Maharaja Sawai Jai Singh II, the ruler of Amber, after whom the city is named. The city today has a population of 4.3 million. Jaipur is known as the Pink City of India.

The city is unusual among pre-modern Indian cities in the regularity of its streets and the division of the city into six sectors

by broad streets 34 m (111 ft) wide. The Palace quarter encloses the Hawa Mahal palace complex, formal gardens, and a small lake. Nahargarh Fort, which was the residence of the King Sawai Jai Singh II, crowns the hill in the northwest corner of the old city. The observatory, Jantar Mantar, is one of the World Heritage Sites. Jaipur is an extremely popular tourist destination in Rajasthan and India, declared by UNESCO as a world heritage city.

About MNIT Jaipur

The Institute was jointly established in 1963 as Malaviya Regional Engineering College Jaipur by the Government of India and the Government of Rajasthan. Subsequently, on 26 June 2002, the college was given the status of National Institute of Technology. On 15 August 2007, it was recognized as the Institute of National Importance through an Act of Parliament. The Institute is fully funded by the Ministry of Education (Shiksha Mantralaya), Government of India.

The Institute lies in the heart of the pink city, imaginatively laid out with a picturesque landscape of 317 acres. It presents a spectacle of harmony in modern architecture and natural beauty. The campus is located in close proximity of

Jaipur airport, railway station, major hospitals, and shopping malls. It consists of academic and administrative buildings, hostels, and on-campus accommodation for faculty and staff. The campus provides all essential amenities for community living like staff club, primary health center (dispensary), bank, post office, shopping complex, gymnasium, playing fields, guest houses, and canteen.

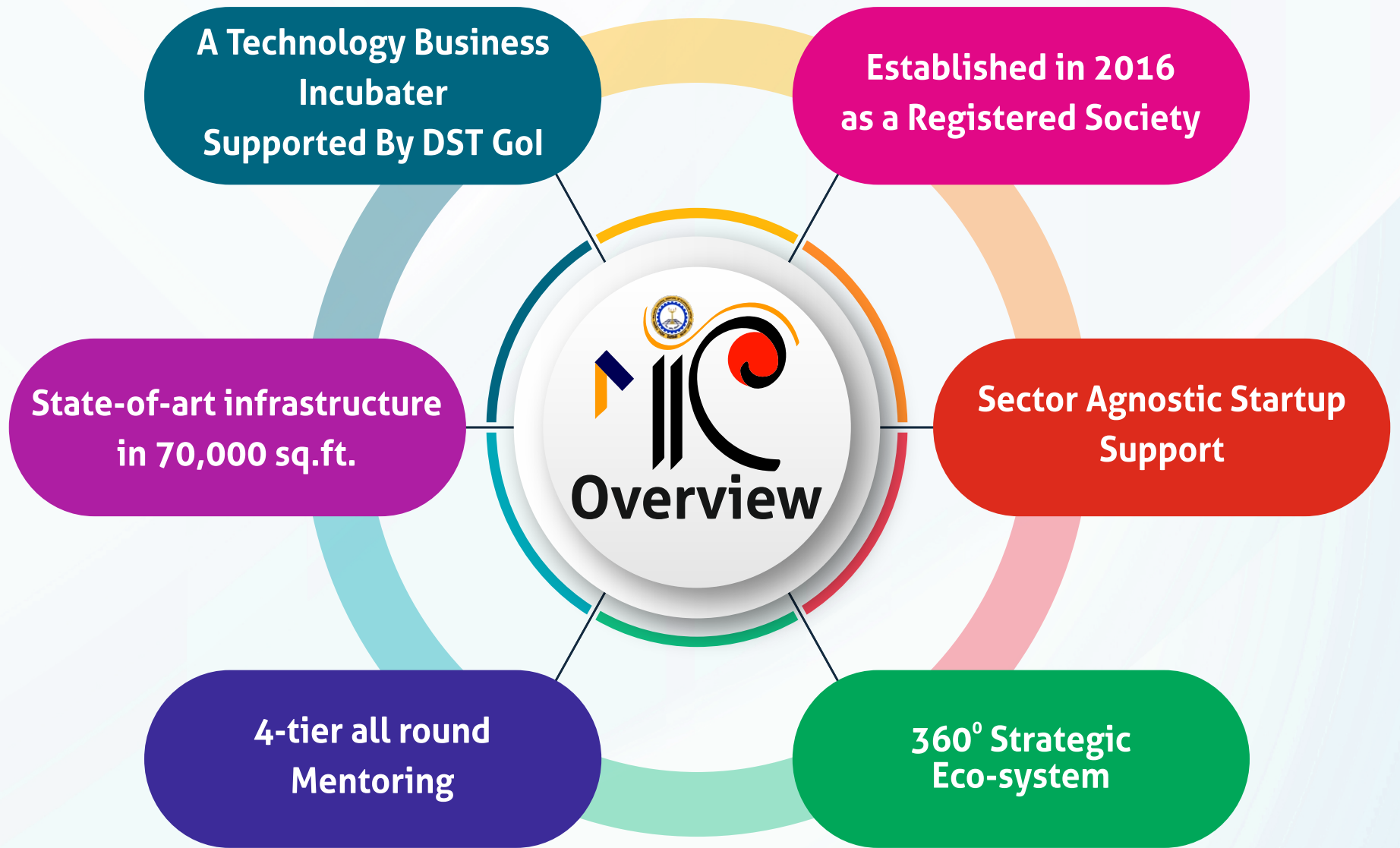








ABOUT MIIC



**126 Startups and
growing...**

**219 Business Activities
& Programmes**

**1200+ Employment
Generated**

**23000+ Ecosystem
Participants Impacted**



IMPRESSIONS

**16 MoU with Ecosystem
Stakeholders**

**1800+ Students
Trained**



NETWORKING



The Ecosystem Buzz



The Ecosystem Buzz



MIIC - Leadership

FORMER PRESIDENTS



Prof. I. K. Bhatt



**Prof. Udaykumar R.
Yaragatti**

PRESENT PRESIDENT



Prof. N P Padhy
Director MNIT

MIIC - Leadership

FORMER SECRETARIES



**Prof. Awadhesh
Bhardwaj**



**Prof. Jyotirmay
Mathur**

FORMER TREASURER



Prof. Monica Sharma

PRESENT SECRETARY



Prof. Monica Sharma

PRESENT TREASURER



Prof. Amar Patnaik



MIIC STARS

MARKTINE
22-23



PUNTO
24-25



NUSKHA
26-27



ZERO GRAVITY
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GAUMAAYA
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CLIC FORUM
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DOC TUNES
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ECOWRAP
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GARUD SURVERY
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MIIC RISING STARS

JOULS
42-43



SVAARAOGYM
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JAIPUR CLUB FOOT
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BYANGOMA
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CLIMATECH
48-49



TSEBO
50-51



V-KAS
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SETYMYCOACH
54-55



DEEPLIFE
56-57





**ALOK SHARMA
MANISH NAMDEV**



TECHNOLOGY

Marktine provides Advanced AI-Powered Face and Motion detection solutions in productized form. It leverages state-of-the-art machine learning algorithms to provide real-time, accurate, and reliable detection capabilities. The solution is designed for all the sectors wherever humans and objects move.

MARKTINE TECHNOLOGY SOLUTIONS PVT LTD

AI CONSULTING AND DIGITAL TRANSFORMATION

<https://marktine.com/>



SUCCESS STORY

Founded in 2016, Marktine Technology emerged from a vision to revolutionize the application of data science and engineering in today's technology-driven world. The company was established to meet the growing need for advanced data-driven solutions

and technological innovation. The initial focus on data science and engineering was a strategic response to the rapidly evolving digital landscape and the increasing demand for data-centric approaches across various industries.

LESSONS LEARNED

Adaptability and Resilience: The COVID-19 pandemic compelled Marktine Technology to adapt swiftly. This experience highlighted the importance of flexibility and resilience when facing unforeseen challenges.

Embrace Innovation: Marktine Technology recognized the necessity of staying ahead of technological trends. This led them to expand their offerings to include AI-based solutions, such as Vaahini, their omni-channel chatbot tool, and advanced face and object detection technology.

Client-Centric Focus: Understanding and addressing clients' unique challenges proved crucial. The pandemic emphasized the need for personalized solutions, especially as businesses aimed to enhance their digital capabilities. By concentrating on tailored AI and digital transformation services, Marktine Technology provided significant value to its clients.

MILESTONES

2016: Team: 3 employees | Revenue: INR 5 Lakhs | Services: Focused solely on Data Science

2018: Team: 24 employees | Revenue: INR 31 Lakhs

2020: Team: 70 employees | Revenue: INR 1 Crore | Expanded Services: Digital Transformation, Data Science, AI-ML, Application Development, Managed Services Partnerships & Clients: 10 channel partners, 12 clients served

2022: Team: 160 employees | Revenue: INR 24 Crores | New Ventures: Launched AI-based products

2024: Team: 240 employees | Revenue: INR 30 Crores | Growth: 70+ clients, 40 channel partners

IMPACT

Marktine Technology's AI-powered solutions, such as Vaahini, have revolutionized customer support by automating responses and enabling 24/7 engagement. Their face and object detection technology enhances security with precise identification and real-time monitoring. Varta, their internal communication tool, has improved team collaboration. Their data science services enable data-driven decisions, optimizing operations and driving growth.



**DHARAM RAJ BOTHRA
AMIT PAREEK**

TECHNOLOGY

Using patented technology
Current leakage Management
(CLM) to prevent death due to
Hazardous Electric Shock and
Intra cycle Interruption (ICI)
to prevent accident of fire
due to electric short circuit.

PUNTO CORPORATION PVT LTD

ELECTRICAL SAFETY SOLUTIONS

www.puntocorporation.com



SUCCESS STORY

The development of the "SAFEON Power Purifier" began in 2012 to protect humanity from hazardous electric shocks. After nearly seven years of effort, the team succeeded in creating a device that prevents electric shocks and fires from short circuits. In 2018, they registered as a startup and were incubated by MIIC in 2020. With mentorship from MIIC, they

pursued patent approval and business development. The patent was granted on January 14, 2022, marking a significant milestone for the "SAFEON Power Purifier" and paving the way for the company's journey to success.

MILESTONES

- Registered as Startup in the year 2018.
- Incubation as startup in MIIC in the year 2020.
- Product validation at MNIT Jaipur in April 2021
- "SAFEON Power Purifier" device patented on 14th Jan 2022.
- Business promotion and development of business networks started in the year 2022.
- Becoming operational in 6 states of the country.
- Selection among the top 75 impactful starts up in "Azadi Ka Amritmahotsav 2022" compendium and the only startup in the electrical category from the state of Rajasthan.
- Association with an international organization PUM Netherlands in the year 2023.



LESSONS LEARNED

- To build a business as a new category creator, one has to be patient in hard times.
- Face the challenges and overcome the hurdles.
- Don't be over-excited or over reactive on the path of success.

IMPACT

The product is having a great impact on the community as it is the only product in the world that saves human life from electrocution and prevents fire due to electric short circuits. Thus the device effectively mitigates the two major causes of death.



**ALPANA TIWARI
VIRAL TIWARI**

TECHNOLOGY

Innovation for Nuskha lies in its use of tech driven operations and production capacity which allows them to serve fresh products to their customers in a very efficient time.

NUSKHA

REVIVING AYURVEDIC FOOD SOLUTIONS

nuskhakitchen.com



SUCCESS STORY

Alpana Tiwari, founder of Nuskha, dedicated her brand to crafting traditional Indian pregnancy and post-partum edibles inspired by her personal experience. Raised in an Ayurvedic family, she embraced herbal remedies. Starting in 2020 at age 50, supported by her son, she launched Nuskha with Rs. 20,000. Despite early challenges, their

appearance on Shark Tank in January 2021 accelerated their growth. Nuskha now serves 30,000+ women globally, partnering with hospitals and doctors, and operates five stores across India, driven by Alpana's passion for reviving traditional practices and connecting with customers.

LESSONS LEARNED

Adaptability is Key: Starting a business during the pandemic taught Alpana Tiwari the importance of flexibility and adaptation. When the first lockdown hit just six months into her venture, she pivoted quickly, offering support over calls and leveraging digital platforms.

The Power of Authenticity: Alpana Tiwari emphasizes on staying true to the core values and authentic roots of Ayurvedic traditions. Her commitment to providing genuine, effective products resonates deeply with customers, distinguishing her brand from competitors focused solely on taste.

Perseverance and Patience: Despite initial challenges like limited funds and the pandemic lockdown, Alpana Tiwari's persistence through adversity paid rich dividends.



MILESTONES

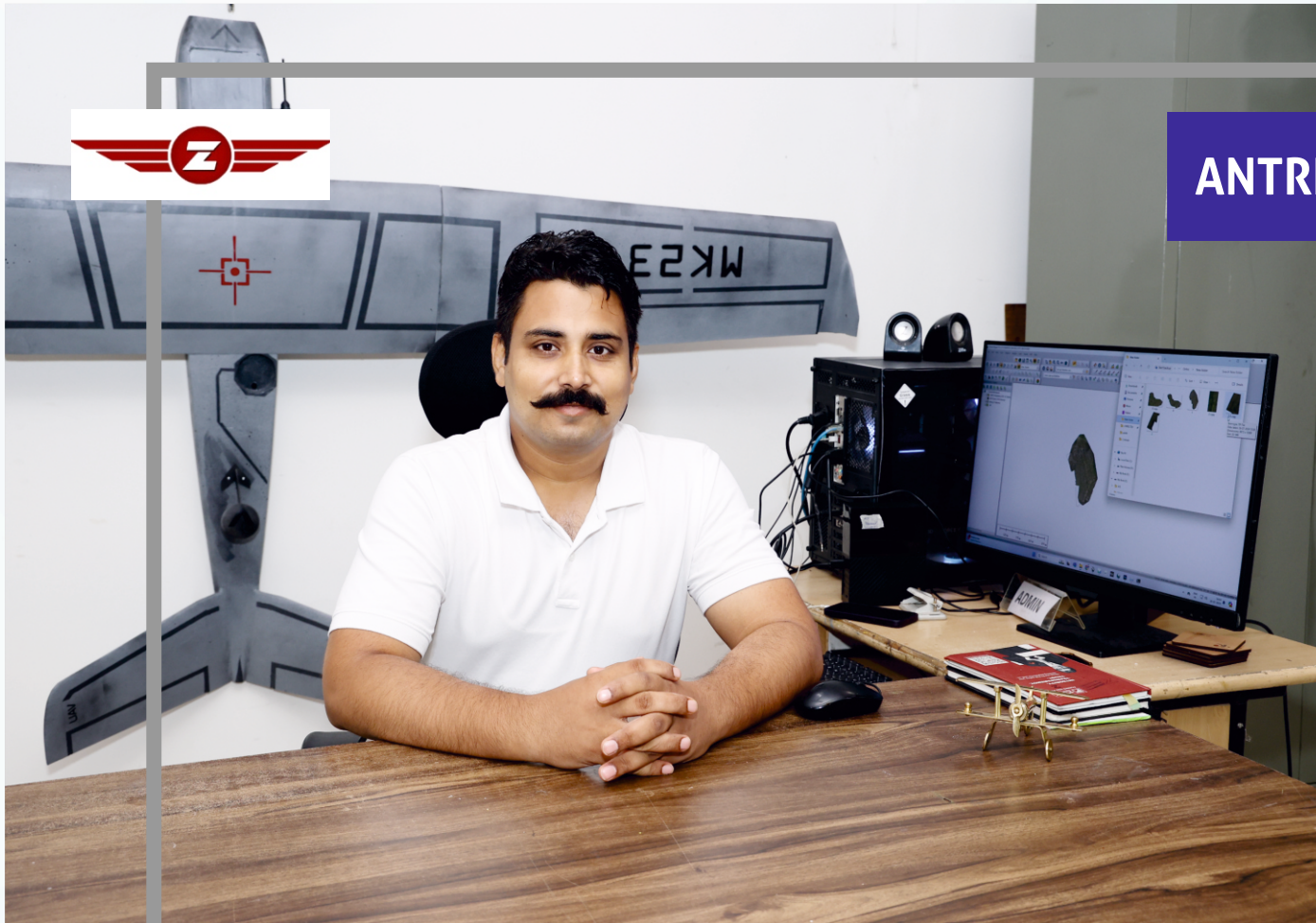
- A modest Launching with just Rs. 20,000.
- Featured in Shark Tank Season-1.
- Served over 30,000 pregnant women.
- Expanded shipping capabilities to 20 countries, taking forward traditional Indian edibles to a global audience.
- Physical presence with five store locations, complementing their online sales through website.

IMPACT

Nuskha has significantly impacted the community by reintroducing traditional Ayurvedic remedies for pregnancy and post-partum care. Their products have supported over 30,000 pregnant women in achieving smoother pregnancies and faster recoveries. Partnerships with top maternity hospitals, stem cell banks, and doctors have expanded their outreach, ensuring more women benefit from these age-old practices. Personal connections and heartfelt feedback from customers underscore the trust.



ANTRIKSH RAJAWAT



TECHNOLOGY

Develops hybrid drones using indigenous technology, integrating composite structures and AI for enhanced performance, targeting civil and military applications with advanced surveillance and operational capabilities.

ZERO GRAVITY

CUSTOMIZED DRONE DESIGN & DEVELOPMENT

zerogravityaerosystems.com



SUCCESS STORY

Founded in 2019 by Antriksh Rajawat, ZeroGravity Aero Systems Pvt Ltd has swiftly become a leading name in drone manufacturing. The company has produced over 300 advanced VTOL drones, serving the defense, surveillance, and crowd control needs. During the COVID-19 pandemic, ZeroGravity's drones proved crucial for public safety. Their commitment to innovation and quality earned them DGCA certification as a Remote Pilot Training Organization. With a focus on expanding globally and pushing the limits of aerial technology, ZeroGravity Aero Systems continues to drive industry advancements and exemplifies perseverance and excellence in its field. Establishing ZeroGravity Aero Systems Pvt Ltd has been an exhilarating journey marked by numerous challenges and invaluable lessons.

LESSONS LEARNED

Adaptability is Key: Embracing flexibility during the COVID-19 pandemic, they swiftly repurposed their drones for surveillance and crowd control thus, demonstrating their ability to respond to emerging needs and cementing their relevance in the market.

Customer-Centric Innovation: Understanding and prioritizing customer needs have been fundamental to their growth. Engaging with their clients, gathering feedback, and iterating their designs based on their inputs helped them create drones that truly address real-world challenges.

Building a Resilient Team: Cultivating a culture of collaboration, continuous learning, and mutual support has been instrumental in navigating the complexities of the industry and driving sustained growth.

MILESTONES

Since its establishment in 2019, ZeroGravity Aero Systems Pvt Ltd, led by Antriksh Rajawat, has become a drone industry leader with over 300 VTOL drones for defense and civil use. Its achievements include DGCA certification as a Remote Pilot Training Organization and significant roles during the COVID-19 pandemic in surveillance and crowd control. Their focus on innovation and customer needs has led to impactful drone technology that enhances efficiency, safety, and quality of life.

IMPACT

During the COVID-19 pandemic, their drones aided in surveillance and crowd control, supporting authorities in managing public spaces and enforcing social distancing.



**SITARAM GUPTA
ADITI GUPTA**



TECHNOLOGY

Mixture of Cow Dung, Agricultural Waste and some Assorted Herbs produced by high pressure compression technology as an efficient alternative to traditional wood pyre and wherever wood is used as fuel in Industrial use cases.

GAUMAAYA

GREEN ENERGY AND WASTE MANAGEMENT

www.gaumaaya.com



SUCCESS STORY

Gaumaaya has initiated a Green Revolution in funeral traditions. Over the past three years, since its inception, the startup has conducted over 4,000 Holika Dahans, more than 500 funerals, and over 60 awareness Yagyas using 'Gaumaya Samidha - Bio Wood' across six cities in Rajasthan. Gaumaaya's

vision challenges the belief that humankind is the primary cause of environmental destruction and aims to achieve sustainability and harmony with nature. By replacing traditional wood pyres with Gaumaaya's alternative, it is possible to save 2 million trees annually.

LESSONS LEARNED

Understanding the Target Audience: A product-based business can experience an exponential growth if it targets the right set of consumers from the outset.

Shortlisting a Niche: Product-based businesses can thrive by focusing on a niche domain where their offerings are highly valued. This approach is the fastest way to build a strong brand identity, which is crucial for success.

Brand Identity: Establishing a clear brand identity is essential. Effective brand identity helps consumers form a distinct image of what to expect from the product. Key questions to address include the cause the brand supports, how it stands out from competitors, and the impact on stakeholders involved in its creation.

MILESTONES

- 6 cities of Rajasthan are supplied with their Products.
- NIAM has granted 15 Lakhs for the growth and product development.
- Represented India in the TiE Global Summit at a Global level among top 40 Startups.
- Been selected for Digifest by the Government of Rajasthan to showcase their products in the exhibit.
- Applied for the Patent and printed in the National Gazette for Product and Process.

IMPACT

Per funeral, Gaumaaya saves 2 trees from deforestation. Their bio-wood, created from agricultural waste and cow dung, helps farmers and Gaushalas generate additional income. The company has achieved a 30% reduction in carbon emissions according to NABL standards and is committed to preserving Hindu traditions as an alternative to electric cremations

**GIRISH MEHTA
ANISHA SHARMA**



TECHNOLOGY

Building orphans' network in India with tech-driven registration, tracking, and support portal to aid care-leavers' transition to independent living.

CARELEAVERS INNER CIRCLE (CLIC) FORUM

SOCIAL IMPACT - CHILD PROTECTION



SUCCESS STORY

Girish, a careleaver, used his Rs. 8000 income during Covid to support others like him through a WhatsApp group of 80 members. In 2021, he founded the Careleavers Inner Circle (CLiC) with corporate backing from www.josh.community. By 2022, UNICEF joined CLiC in Jaipur, establishing a database for over 80 childcare homes in Rajasthan. Anisha joined as co-founder, focusing on girl Careleavers. In

2023, CLiC expanded across Rajasthan, issuing 150+ Inner Circle Cards and joining Nudge Incubation Cohort 2023. Anisha received the "Emerging Director Award." In 2024, after discussions with Minister Smriti Irani, a central order addressed Careleavers' identity and aftercare services nationally.

IMPACT

1500+ Care leavers getting support through CLiC



MILESTONES

- 1500+ Care Leavers supported through CLiC.
- Funding from UNICEF, Nudge and Azim Premji Foundation.
- CLiC Forum founder invited to share his experiences in general assembly of SOS Children's Villages, Innsbruck, Austria in 2023.
- Iconic Women Director Award to Ms. Anisha from the Bombay Stock Exchange.

LESSONS LEARNED

Utilize Data-Driven Decision-Making: They implement robust monitoring and evaluation systems to measure impact, inform program improvements, and demonstrate organizational effectiveness.

Cultivate a Strong Organizational Identity: They develop a clear mission, vision, and values that resonate with staff and the youth community they serve.



DOC TUNES

SaaS

DEWANG BHARDWAJ
KUNAL SINGH SHEKHAWAT



TECHNOLOGY

DocTunes uses advanced text-to-speech technology to convert digital and physical content into high-quality audiobooks, supporting over 70 languages and 500 premium voices.

www.doctunes.io



SUCCESS STORY

DocTunes' success is a testament to their commitment to user satisfaction and continuous improvement. Launched to break down language barriers, the platform quickly gained trust as a leading document translation service. The team prioritized a user-friendly experience, driving rapid adoption across various regions. Listening to user feedback and making ongoing enhancements were crucial to their growth. As the platform expanded, they refined both the user interface and backend infrastructure to support a large, diverse user base without sacrificing quality. Their success also paved the way for MultiLipi's expansion into multilingual SEO solutions. The company's ability to adapt and improve has been key to their sustained growth. Their strong foundation continues to support their mission of breaking down language barriers.

LESSONS LEARNED

- Ensuring a seamless user experience was paramount for the team.
- Continuously refined the platform based on user feedback to effectively meet user needs.
- Optimizing the backend infrastructure became essential to handle large volumes of translations and ensure smooth operations.
- Maintaining high translation quality remained a top priority, prompting the team to develop sophisticated algorithms and integrate human-in-the-loop systems for rigorous quality checks.

MILESTONES

- Top 100 Apps in India by Google Play store in 2023.
- Received 45 Lacs+ Grant from the State and Central Government.
- 250k+ users from 170+ countries.

IMPACT

DocTunes made a substantial positive impact on its users and the wider community. The platform assisted individuals and businesses in surmounting language barriers, thereby facilitating improved communication and comprehension. Access to information in users' native languages was facilitated, advancing inclusivity and equal access to knowledge. For businesses, DocTunes bolstered their capacity to penetrate global markets, thereby enhancing growth and engagement across diverse audiences.



IMPLEMENTATION PARTNERS

PROGRAM NAME

ASPIRE

TRUST OF PEOPLE

FINILOOP

FINILOOP

PLASTIC LAB PROGRAM

empowering start-ups to lead the charge towards a plastic waste-free world

- Zero-Fee and Zero-Equity program
- 14-month mentoring and customized incubation
- On ground execution support in the city
- Prototype grant upto INR 3 lakh to selected start-ups
- Business and technical mentoring

APPLY NOW!

ANGRAJ SWAMI



TECHNOLOGY

ECOWRAP uses AI and ML to optimize waste collection, track segregation quality, and provide real-time feedback, promoting efficient and sustainable waste management with a focus on 'Zero Dumping'.

ECOWRAP

CLEAN TECH/WASTE MANAGEMENT

<https://ecowrap.in/>



SUCCESS STORY

ECOWRAP's journey is a testament to vision, innovation, and relentless pursuit of sustainable waste management. It began with Angraj Swami, who established a recycling unit in Delhi in 2014, aiming to recycle waste generated by the city. However, he

quickly realized that recycling waste from dumpsites was nearly impossible due to contamination. Despite India's robust recycling infrastructure, the core issue was the lack of source segregation, which made recycling efforts futile.

LESSONS LEARNED

Promote Segregation : Initially focusing on recycling waste from dumpsites, the team soon realized that effective recycling hinged on proper segregation at the source. This realization highlighted the need to educate the public and promote segregation from the point of origin to achieve significant improvements.

Community engagement : By empowering local communities, the initiative fostered trust and provided employment opportunities. This approach not only enhanced waste management practices but also instilled a sense of ownership and responsibility among community members.

Integrating Technology: By integrating AI and machine learning into operations, the initiative was able to enhance segregation accuracy, optimize collection routes, and predict waste generation trends. This integration underscored the importance of leveraging advanced technologies to develop efficient and scalable solutions.

MILESTONES

2018: Jaipur pilot proves the effectiveness of segregation and tracking.

2019: Secured funding, expanded with AI for segregation and routing.

2020: Managed 7,000+ tons, 248% growth, 1,400+ commercial partners.

2021-2022: Won India Waste Management Award, UN Youth Co-recognition.

2022: Implemented AI for segregation, and waste forecasting.

2022: Empowered 12 rag pickers, and 7 rural women through jobs.

2023: Partnered with government, Hindalco Industries.

2023: Expanded to multiple cities, on-boarded 1,400+ institutions.

2024: Organized 'Zero Dump' events at major projects and events.

IMPACT

Economic Empowerment: Created stable jobs for 12 rag pickers and 7 rural women. The BHAYLI project empowered women through upcycling, promoting economic independence.

Community Engagement: Involved 1,400+ commercial waste generators in its 'Zero Dumping' initiative, raising awareness and promoting sustainable practices.

Environmental Impact: Managed 7,000+ tons annually with 248% growth, partnering with 263 'Zero Dumping' institutions.



**VISHAL MODI
GAJENDRA SINGH**



TECHNOLOGY

Collecting geotag raw images from drones and process them using photogrammetric technology, thus preparing Orthomosaic Data, Elevation Profile of Land and 3D Models.

GARUD SURVEY PRIVATE LIMITED
DRONE SURVEY/ MAPPING

www.garudsurvey.com



SUCCESS STORY

Founded in October 2019, Garud Survey Private Limited is dedicated to revolutionizing the field of survey mapping through drone technology. The company's mission is to simplify and expedite surveying by leveraging advanced drone technology, enabling clients to obtain precise and rapid data insights for better decision-making. Garud Survey Private Limited emerged from a need to address a significant challenge in the clay mines of Bikaner, Rajasthan. Mr. Vishal Modi having grown up in the

region, was acutely aware of the issues faced by small-scale clay mines, especially regarding volumetric calculations. To solve this problem, he rented a drone, and employed photogrammetric methods to create a 3D model of one of the mines. This approach effectively resolved the volumetric calculation issue, leading to advance orders from around 28 mines in the cluster for monthly drone survey visits. This success marked the inception of Garud Survey Private Limited.

LESSONS LEARNED

Team Handling Skills and Teamwork: Ensuring that everyone is aligned with the company's goals and working together harmoniously is crucial for achieving their objectives.

Regular Review of Accounts and Financial Data: This proactive approach enables immediate corrective actions, thereby maintaining the financial health of their company.

Client Satisfaction in the Service Sector: Maintaining strong client relationships and ensuring their satisfaction significantly impacted their success and reputation in the industry.

MILESTONES

2019: Launched the first successful project in the clay mines of Bikaner.

2020: Expanded services to include the mining sector.

2021: Forayed into the solar industry, construction industry, and industrial inspections.

2022: Ranked among the top 3 companies in India for drone-based volumetric surveys.

2023: Completed surveys covering over 400,000 hectares.

IMPACT

Garud Survey Private Limited has revolutionized survey practices across various industries. Their advanced technology has enhanced efficiency, reduced costs, and shortened project timelines for clients. They have propelled advancements in sectors such as mining, solar energy, construction, and industrial inspections, benefiting both businesses and the broader community. The company has notably partnered with Central Government Organisations and top corporates for large-scale survey projects, where Garud Survey's precise and rapid data collection significantly improved project planning and execution.

SVAAROGYM

AMIT MAHESH JOSHI
URVASHI JOSHI

TECHNOLOGY

Selfcare medical devices which are focusing in developing a non-invasive glucometer using Optical detection method that can measure wide range of glucose level with precision.

**SVAAROGYM MEDICAL
DEVICES PVT. LTD.**

HEALTH CARE SOLUTIONS

www.svaarogyam.com



SUCCESS STORY

Develop the prototype of a non-invasive glucometer – iGLU. The prototype has been validated on around 550 patients including healthy, diabetic and pre-diabetic patients with a glucose range of 80 mg/dl to 350 mg/dl. The iGLU has accuracy of around 85% with serum glucose measurement.

LESSONS LEARNED

Being academicians, they struggled to devote time to their start-up. One year after of incorporation, they raised funding from three different sources. A team has been formed including MNIT's UG, PG, and PhD students who diligently worked towards data collection at the hospital during their regular visits. Ethical clearance has been one of the reasons for the delayed validation of the product.

MILESTONES

The prototype has been validated for over 550 patients. they have also conducted a monkey survey among the subjects, and they have received an appreciation for their efforts. They have also received media coverage in leading newspapers 2-3 times in past 4 years for their efforts.

Selected in DST NIDHI's Compendium amongst the top 50 Impactful Women-Led Startups! Pan India.

IMPACT

Diabetic people can adapt the continuous glucose monitoring through their non-invasive glucose measurement device thus helping them lead an active life.

JOULS

**AMAN GOYAL
CHANDNI GUPTA**



TECHNOLOGY

Their 100% MADE - in - INDIA hardware and software, along with the 'Jouls Connect' application delivers a seamless Scan & Pay experience, proactive issue detection, and 10x faster technical support.

JOULS ECOTECH PVT. LTD.

ELECTRIC VEHICLE CHARGERS, CLEAN TECH

www.jouls.co.in



SUCCESS STORY

Joules Ecotech's journey began in August 2022 with a vision to revolutionize the electric vehicle charging industry. A group of college friends pooled their expertise to develop a method aimed at enhancing the user experience for home EV charging. They successfully designed and patented a 2W charging station tailored for apartments. Currently, they have

successfully commercialized their first product and installed it with two real estate clients. Moreover, their innovation earned them selection for the iStart Viability Grant from the Government of Rajasthan, further validating their impact and potential in the market.

LESSONS LEARNED

- Developing a hardware product requires extensive connections and mentors to navigate challenges effectively; otherwise, unnecessary obstacles may arise.
- Rapid iteration based on user behaviour is crucial—build fast and fail fast to refine your product efficiently.
- Prioritize selling the idea to users and customers before product development. This approach provides valuable market insights and validates the potential success of their product.

MILESTONES

- Have successfully commercialized their first product i.e. EcoLite - A Future Forward EV Charging station for 2-wheelers/3-wheelers and 4-wheelers.
- They have reached close to 50+ users and 2 clients.

IMPACT

Smart & Safe EV Charging Stations for Users in their Apartment.

10x faster technical support with the backend management system.

2-step state-of-the-art seamless charging process.





**HARLAL SINGH MALI
SUSHILA MALI**

TECHNOLOGY

Enhancing Clubfoot Treatment Experience through Contemporary Technologies.

JAIPUR CLUB FOOT

FRUGAL & DISRUPTIVE PRODUCT DEVELOPMENT

jaipurclubfoot.com



SUCCESS STORY

Jaipur Club Foot Pvt. Ltd. (JCF&A®) is an outcome of NISP 2019 to solve a complex socio-medico-technological problem involving the challenges of the traditional Ponseti treatment of Clubfoot. Established with the vision to research leading to product development, on unilateral orthosis-based CTEV treatment.

JCF&A® is also working on implementing extensive training programs for healthcare professionals in CTEV management. Armed with multiple granted patents, the company's efforts extend beyond India, with a USA patent and focus on expanding treatment access in developing countries.

LESSONS LEARNED

Recognizing Local Needs: JCF&A® discovered that effective treatment of CTEV required the use of high-quality, reasonably priced orthoses.

Creating Robust Partnerships: Working with regional healthcare groups and providers.

Constant Feedback and Adaptation: Listening to customer input enabled an enhancement of services and products, meeting changing customer needs and achieving better treatment results.

MILESTONES

- Essential Studies Carried out.
- Designed and Development MCO and started User Trials.
- Standardizing MVP of Severe Clubfoot Orthosis (SCO) for Manufacturing Feasibility.
- Secured Grants and awarded multiple Patents.

IMPACT

JCF&A® project if successful will have a huge social and community impact, especially from bottom of the pyramid in low and medium income countries. The disability load of these countries will be reduced, as currently many untreated case are part of the disabled adult work force.





BYANGOMA INDIA



HANUMANT SINGH

TECHNOLOGY

Byangoma INDIA Pvt. Ltd. uses Nano-Technology to infuse Air/O₂/N₂/O₃ develop Ultra fine Infusion Technology (UFIT) to enhance sustainability O₂/N₂/O₃ across agriculture, aquaculture, medical, wastewater treatment, and the food sector.

BYANGOMA INDIA

AGRITECH, CLIMATE TECH

www.byangomaindia.com



SUCCESS STORY

Witnessing oxygen scarcity during Covid-19 pandemic and the critical need for delivery of products like cylinders, regulators, and despite challenges and unused investments, the guidance from Director Smt. Manisha Fauzdar encouraged exploration of alternate applications. Research revealed potential in aquaculture, agriculture, wastewater treatment, and ecosystem enhancement. Recognizing opportunities, they approached MNIT Innovation and Incubation Centre (MIIC) in Jaipur, Rajasthan. Accepted into MIIC, their project benefited from network connections, research opportunities, and support for intellectual property rights (IPR). MIIC's resources proved crucial in refining their technology and preparing it for market entry, enabling significant strides in innovation and growth.

LESSONS LEARNED

Adaptability is Crucial: Amid surging demand for oxygen delivery products, they swiftly innovated by producing gas regulators with available materials.

Collaboration and Networking: Partnering and receiving support from various stakeholders amplified their impact.

Diversification and Market Research: Initially focused on the medical sector, they diversified after thorough market research. Identifying opportunities in aquaculture, agriculture, and wastewater treatment expanded their market reach and ensured sustainable growth across industries.

MILESTONES

- **Innovation:** Development of O₂ Generator on PSA Technology through oxygen Generator using Pressure Swing Adsorption (PSA) technology, showcasing their ability to innovate under challenging conditions.
- **Network Connections for better impact:** Network connections with Network of sales in Telangana and Gujarat created a large pool of dealers, to provide easy accessibility of services to local farmers.
- **Funding:** They successfully secured funding through MANAGE and I-Start.

IMPACT

Aquaculture: Their technology has enhanced fish farming efficiency and sustainability by improving water quality and oxygen levels, leading to healthier fish and higher yields and reducing reliance on chemical additives.

Wastewater Treatment: Their oxygen generation systems have improved wastewater treatment by enhancing aerobic processes, leading to better pollutant removal. It also facilitates water reuse for irrigation and industry, promoting conservation.

Marketing Impact: Their technology's innovation and sustainability have strengthened their brand, leading to increased adoption and long-term industry relationships.



**PRAMOD KUMAR SHARMA
KULDEEP SINGH
DEEPENDRA SINGH SHEKHAWAT**

TECHNOLOGY

Developed a novel technology to capture CO₂ in its molecular form and decomposing this CO₂ in its elemental form as graphite carbon and oxygen.

**CLIMATECH ENVIRONMENT
PVT. LTD.**

GREEN TECHNOLOGY

climatech.co.in



SUCCESS STORY

Climatech Environment Pvt. Ltd. is dedicated to practical environmental efforts to combat global warming exacerbated by industrial carbon emissions, the company integrates industrial growth with environmental preservation. Their advanced technology captures and converts carbon dioxide

into valuable oxygen and graphitic carbon, tradeable as carbon credits. Supported by MIIC and various funding agencies, including Startup India and DST-NIDHI EIR, Climatech has conducted successful industrial trials and is poised to deploy its technology in heavy carbon-emitting industries.

LESSONS LEARNED

Building a Strong Team: A capable team is essential for addressing the complex needs of the industry and driving innovation forward.

Systematic Business Planning: A well-structured business plan tailored to the specific requirements of the industry is critical for success.

Sustainability and Cost-Effectiveness: Products must be sustainable and cost-effective to thrive in the market and deliver long-term value.

MILESTONES

- Collected extensive data from both laboratory and industry sources.
- Validation of data is underway in collaboration with MNIT Jaipur.
- Completed multiple industrial trials within their target sectors.
- Established Memorandums of Understanding (MOUs) with key Carbon Management Players, positioning them for market launch.

IMPACT

They are removing the adverse impacts of Climate change and Global warming. Hence every customer directly or indirectly has benefitted.





**KAPIL PAREEK
TARUN KUMAR SHARMA
SURBHI**



TECHNOLOGY

Tsebo Private Limited has developed an automated battery grading system, protected by Intellectual Property Rights (IPR). This system uses computer vision in conjunction with sophisticated sensors to automatically segregate and grade batteries.

TSEBO PVT LTD
ENERGY SOLUTIONS

www.tsebo.in



SUCCESS STORY

Tsebo Private Limited has developed RapidRack Battery Tester, an automated battery grading system, protected by intellectual property rights (IPR). This system uses computer vision in conjunction with sophisticated sensors to automatically segregate and grade batteries. Developed battery system can significantly reduce testing time to up to 200 seconds compare to 5 to 6 hours for conventional battery testing & grading.

LESSONS LEARNED

Importance of a Clear Vision and Plan: A well-defined vision and plan are crucial for guiding the development process and aligning team efforts toward common goals.

Adaptability and Resilience: The journey to innovation is often filled with challenges. Being adaptable and resilient helps in overcoming obstacles and finding new paths to success.

Building a Strong Team and Network: Success is driven by the collective effort of a dedicated team and a robust network of partners and supporters.

MILESTONES

- Prototype has been developed.
- The technology has been protected by patent.
- The developed system is automated & integrated with computer vision and sophisticated sensors.
- Funding sought to establish a commercial-scale setup.

IMPACT

Battery grading and screening enhance community safety by ensuring only high-quality batteries are used, reducing the risk of failure. Additionally, it promotes environmental sustainability by optimizing battery lifespan and efficiency, thereby minimizing electronic waste and resource consumption.





V-KAS Innovation & Technology Pvt. Ltd.

HYDRO AIR CONDITIONER

Compact-designed split-type hybrid air conditioner which uses water immersed hybrid condenser, which is a combination of the evaporative condenser and a water-cooled condenser.

Benefits:

- Inverter Technology
- Upto 60% less power consumption
- 100% cooling at 58 degree celcius
- Indoor condensed water utilization
- Low outdoor heat emission

+91 9887907165
janabhai



VIJAY KUMAR JANGID

TECHNOLOGY

WATER IMMERSED HYBRID CONDENSER is a combination of evaporative & water cooled condenser. This allows 6 times faster refrigerant heat rejection.

V-KAS INNOVATION AND TECHNOLOGIES PVT LTD

ENVIRONMENTAL SOLUTIONS



SUCCESS STORY

Two years ago, Vijay conceived an idea for a product that he believed would revolutionize the market—the "hydro evaporator air conditioner." This concept, supported by initial calculations, prompted him to explore various colleges and resources for guidance. After extensive efforts, Vijay discovered MIIC, where he met Prof. Jyotirmay Mathur who thoroughly evaluated Vijay's idea and calculations, expressing genuine interest and

confidence in its potential. Professor Mathur provided valuable mentorship, steering Vijay on the right path for product development.

With MIIC'S support, Vijay initiated the development process. Though the journey was challenging, after a year of dedicated work, Vijay and his team successfully completed their prototype - the "hydro evaporator air conditioner."

LESSONS LEARNED

Financial Planning: During the development phase, they encountered funding issues. To address this, they now prioritize maintaining a sufficient flow of funds to ensure project continuity.

Continuous Learning: It's crucial to continuously learn and acquire fundamental knowledge related to the domain. Staying informed helps in overcoming challenges and refining the product.

Seek Guidance and Ask Questions: Never hesitate to ask questions or seek knowledge from reliable sources. The right guidance can significantly impact the development process and lead to better outcomes.

MILESTONES

Successfully developed prototype and achieved 50% efficiency

Patent filed for the product

Developed MVP by learning from prototypes and now they have achieved 65% efficiency.

Currently they are applying for MVP testing in government laboratory

IMPACT

The hydro evaporator air conditioner significantly improves the lifestyle of customers by being up to 65% more efficient than other ACs in the market. This efficiency ensures that customers can enjoy comfort without worrying about high electricity bills.

Another notable advantage of the hydro evaporator air conditioner is its ability to withstand high ambient temperatures without tripping or compromising on cooling performance. This reliability makes it a dependable choice even in challenging weather conditions.



TECHNOLOGY

The technology used is the powerful PHP framework CodeIgniter with content delivery network being AJAX Libraries API. The platform uses the third party LMS services which has a SaaS based architecture.

SETMYCOACH.COM

EDUCATION TECHNOLOGY



SUCCESS STORY

Anirvan Chakraborty embarked on a transformative journey with the creation of Setmycoach.com, aiming to revolutionize coaching in India. Setmycoach.com emerged as India's pioneering marketplace for coaches, seamlessly connecting expert coaches with individuals and corporations.

The platform offers a diverse array of coaching services, including Executive Coaching, Leadership Coaching, Performance Coaching,

Productivity Coaching, Career Development Coaching, and Life Coaching. With a roster of over 100 credentialed coaches boasting extensive industry experience, Setmycoach.com caters comprehensively to various coaching needs.

The platform's flagship program, the Leadership Development Program-ELEVATE, has significantly enhanced leadership skills among corporate mid-management, fostering organizational success and personal growth.

LESSONS LEARNED

- The importance of being flexible and adaptable to refine services to better meet the needs of clients.
- Continuously innovating and staying ahead of tech trends is essential in maintaining platform relevance and efficiency.
- Make minimum assumptions as assumptions can often lead to misguided decisions and strategies that do not align with reality.

MILESTONES

- Revenue generation within two weeks of launch.
- A critical mass of coaches onboarded within the first quarter of the launch.
- The credibility of the platform established within a short period as reputed coaches paid subscription fee to get onboarded.
- Pivoted by launching the Leadership Development Program to complement the coaching engagement.
- 100+ credentialed coaches onboarded within 600 days.
- Established as one of the top brands in the coaching industry.
- Buyout proposal from one of the global players GMAC (entity conducting GMAT exam world over) initiated through the consulting firm Deloitte.

IMPACT

Creating top-rated leaders across the industry

Building skill set for future leaders

Improved performance and productivity for organizations impacting their revenue and profits

Handholding people to successfully navigate the challenges of their personal and professional life

DEEPLIFE

**KULDEEP SINGH
BHARAT CHAUDHARY
RAJENDRA MITHARWAL**



TECHNOLOGY

The main technology is AI for healthcare diagnostics, combining electro-mechanical automation for sample preparation with deep learning-based computer vision to automatically detect and count urine sediment.

DEEPLIFE INNOVATIONS PVT. LTD.
AI INTEGRATED HEALTH SOLUTIONS



SUCCESS STORY

The inspiration stemmed from the pain and discomfort caused by Urinary Tract Infections (UTIs), particularly prevalent in rural India due to hygiene issues. Motivated by this, Dr. Kuldeep and his team embarked on research to leverage Artificial Intelligence for automatic urinalysis. After successfully presenting the proof of concept to a pathologist, they developed an affordable, indigenous, automated urinalysis system tailored for rural environments. They collaborated with various

hospitals and diagnostic labs to collect samples To build a robust dataset. Their custom AI models, trained on 20,000 samples, have achieved human-comparable performance. The prototype is now in its final stages, and they aim to launch the product by the end of 2024, pending necessary licensing. The goal is to bring advanced diagnostic facilities to remote areas, improving healthcare accessibility and outcomes.

LESSONS LEARNED

- Establishing a startup in the healthcare sector involves understanding and complying with various regulatory requirements and licensing procedures.
- Successful partnerships with hospitals, diagnostic labs, and research institutions are vital for the data collection, validation, and refinement of AI models.
- Conducting thorough market research to understand the target audience's needs, preferences, and pain points is crucial.

MILESTONES

The POC was demonstrated to various pathologists in hospitals and diagnostic labs, who are convinced of its performance. The prototype is now in its final stages, and they aim to launch the product by the end of 2024, pending necessary licensing.

IMPACT

The automated urinalysis system will enhance diagnostic accuracy and accessibility, bridging the healthcare gap between urban and rural areas. It will offer cost-effective and efficient diagnostics, reducing wait times and improving patient outcomes. Additionally, data collection from this system aids in monitoring disease trends and informing public health strategies. Overall, it will significantly improve the quality of life by providing affordable, reliable, and advanced diagnostic services to underserved communities.



FOOTPRINTS



(Deeptech)

Infinite Power

(Product Innovation)



(Education Tech Solutions)



(Product Innovation)

Pasta Cucina

(Process Innovation)



(Product Innovation)

Online Homes

(Service Aggregator)



(ICT Solutions)



A BOWL FULL OF FRESHNESS

(Material Innovation)

**THE
28**

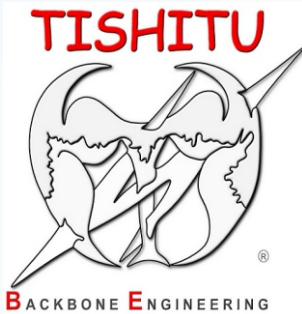
(Material Innovation)

LEXCARTS
— REACHING OUT —

(Legal Tech Solutions)



TECH HYAKU
(Product Innovation)



(Product Innovation)



(Service Aggregator)

Diode
(Process Innovation)

VALUE KARE GROUP



EXCELLING
OUTSOURCING & HEALTHCARE

(Healthcare Solutions)



(Service Innovation)



(Process Innovation)



HIYASA
THE HEALING SPACE

(Health Innovation)



(Service Aggregator)



(Product Innovation)



(Product Development)



(Service Aggregator)



(Product Innovation)



(Product Innovation)



(Product Innovation)



(Service Aggregator)



(Product Design & Solutions)



(Training Solutions)



(Product Innovation)



Balhar Group

(Service Aggregator)



(Material Innovation)



(Process Innovation)



DRONES WALA

(Service Aggregator)



(Material Innovation)



(Travel Solutions)



(Service Aggregator)



(Product Innovation)



MARKET

(Service Aggregator)



(HR Solutions)



(CPS Solutions)



(Travel Solutions)



(Travel & Tourism Solutions)



हम रखे ख्याल, आपकी हर जरूरत का...

(Service Aggregator)



(Process Innovation)



(Product Innovation)

MOROL REFINERY

(Product Innovation)



(Education Technology)



(ICT Solutions)



(Health Solutions)



(ICT Solutions)



**OCEANLUX
(Product Innovation)**



(Energy Solutions)



(Service Aggregator)



(Health Solutions)



(Service Aggregator)



(Education Technology)



(Product Innovation)



(Environmental Solutions)



(ERP Solutions)



(VR Solutions)



(Training Solutions)



(Service Aggregator)



(Mining Service Solutions)



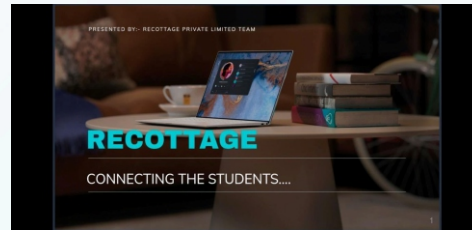
(Learning Management Solutions)



(Service Agregator)



(Product Solutions)



(Housing Solutions)



(Product Solutions)



(HR Tech)



(Gaming Solutions)



(Healthcare)



(Product Solutions)



(ICT Solutions)



(Construction Engineering Solutions)

Hiring Clouds

(HR Solutions)

Amigos IT

(ICT Solutions)

DREAM OAK

(Robotic Solutions)



(Service Aggregator)

MEDHINI ORYKTOS

(Product Innovation)



Rashtrapati Bhawan
12th September 2024



Rashtrapati Bhawan
12th September 2024





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