

# Startup Innovation In Automotive & EV Sectors





#### **ABOUT AIC-PINNACLE**

The AI C-Pinnacle Entrepreneurship Forum is a registered Section 8 non-profit entity, backed by Atal Innovation Mission, NITI Aayog, Ministry of MSME, DPIIT, Ministry of Commerce and Industry, Ministry of Electronics and IT, and Government of India. Our mission is to foster entrepreneurship, startup creation, and employment through research, skill development, innovation, incubation, acceleration, investments, consultancy, and product development. We aim to cultivate a vibrant entrepreneurial ecosystem focused on innovation in key sectors to drive inclusive and sustainable techno-socio economic development in India.



**Innovation** 



Incubation



**Investment** 

#### **VISION**



Guided by the spirit of 'Make in India' and Bharat's entrepreneurial resilience, AIC-Pinnacle Entrepreneurship Forum aspires to be the beacon of inclusive innovation and economic empowerment. Our vision is to nurture, elevate, and amplify the voices of grassroots innovators and emerging startups, propelling them toward global prominence while championing indigenous creativity, fostering self-reliance, and catalyzing socio-economic progress across the nation.

#### **MISSION**



To create a vibrant and high-impact entrepreneurial ecosystem focused on: Innovation, Incubation, and Investment in key sectors.





#### **OUR SUPPORT TO AUTOMOTIVE & EV**

AIC-Pinnacle Entrepreneurship Forum, a Section 8 company under the Atal Innovation Mission (AIM), NITI Aayog, stands as a beacon of innovation and entrepreneurship in India. With unwavering support from industry pioneers like EKA Mobility Solutions and Pinnacle Industries Ltd., along with key government backing from the Ministry of MSME, DPIIT, and MeitY, AIC-Pinnacle has cultivated a thriving ecosystem for startups, particularly in the EV, mobility, and allied sectors.

#### A Legacy of Excellence

Under the visionary leadership of Dr. Sudhir Mehta, AIC-Pinnacle has nurtured over 100 startups across domains such as Automotive, HealthTech, AgriTech, Cleantech, and Social Enterprises. These startups have earned more than 30 national and international awards, a testament to the quality of innovation and impact driven by the incubator. With a mentor pool of over 110 industry leaders, AIC-Pinnacle ensures every entrepreneur receives personalized guidance to navigate complex industry challenges.

#### Innovating the Mobility Landscape

As a leading incubator in mobility and EV solutions, AIC-Pinnacle empowers startups to address contemporary challenges with cutting-edge technologies. Some of the groundbreaking innovations supported include:

**Hyperloop Technology:** Redefining high-speed transportation systems.

**IoT-based EV Charging Solutions:** Streamlining the charging ecosystem for electric vehicles.

Al-Powered Agri-Robots: Enhancing farming efficiency and sustainability.

**Electric Farming Tractors :** Modernizing agriculture with cost-effective, eco-friendly solutions.

**Dual-Wheel Drive EV Bikes and Portable EVs:** Transforming personal and commercial mobility.

#### **Comprehensive Startup Support**

AIC-Pinnacle provides a holistic incubation experience, ensuring startups are equipped with all the tools for success:

Mentorship and Expertise: Access to seasoned mentors and domain experts.

Market Connections: Direct access to vendors, customers, and strategic partners.

**Product Development:** Opportunities to refine and scale innovative solutions.

**EV Lab Infrastructure:** A state-of-the-art facility for prototyping, testing, and product optimization.

**Funding and Financial Guidance:** Support in navigating investment landscapes and securing growth capital.



#### Sustainability and Technology at the Core:

Aligned with global sustainability goals, AIC-Pinnacle actively supports startups developing eco-friendly technologies. This includes EV-powered cargo solutions, autonomous vehicles, and smart systems for road condition monitoring. By championing green innovations, AIC-Pinnacle plays a pivotal role in shaping a more sustainable future.

#### Collaborations and Global Impact:

Through active participation in global expos and fostering collaborations with industry leaders, AIC-Pinnacle highlights India's potential to lead in mobility and EV technologies. Its startups are not only reshaping the domestic market but also making their mark on the international stage.

#### **Building a Visionary Future:**

The mission of AIC-Pinnacle goes beyond innovation—it is about creating a legacy of sustainable development and technological excellence. By driving innovation, nurturing entrepreneurial talent, and fostering collaboration, AIC-Pinnacle is not just transforming the mobility sector but is also contributing to India's broader vision of economic and technological growth.

With its deep industry connections, cutting-edge infrastructure, and unwavering commitment to its startups, AIC-Pinnacle continues to be the cornerstone for entrepreneurial excellence, revolutionizing the future of mobility and beyond.

#### **OUR IMPACT**

• Innovation • Incubation • Investment

100+ ₹400 Cr\* 100+ 110+ 100+

Startups Combined valuation IPR filed Partners Mentors of startups

## **SUPPORTED BY**

















#### **Arcatron Mobility Pvt. Ltd.**

Founder : Mr. Ganesh Sonawane

Sector : Mobility Solutions for Elderly Care

Stage : Commercialized

Location : Pune, India

Email : support@arcatron.com

Website : www.arcatron.com

About the Startup : Arcatron Mobility Pvt. Ltd. is a pioneering startup

dedicated to redefining global standards in assisted living. With a steadfast mission to make assisted living dignified and safer, Arcatron leverages cutting-edge engineering and innovative technology to design next-generation devices for individuals with limited

mobility and elderly care needs.

Guided by their powerful motto, "Purpose Driven Innovation," Arcatron thrives on addressing unmet challenges in its focus segments. The name "Arcatron" encapsulates its vision, blending the concept of "accelerating wheels" with a nod to the Ark of Moses,

symbolizing boundless possibilities.

Arcatron stands as a testament to purposeful innovation, committed to enhancing the quality of life

for individuals worldwide.

Achievements : Arcatron Mobility's direct-to-consumer (D2C) brand,

Frido, is poised to achieve an impressive milestone of ₹200 crore, showcasing the company's remarkable

growth and impact in the mobility solutions market.







#### **Attron Automotive Private Limited**

Founder : Mosam Ugemuge

Sector : Manufacturing - EV Components

Stage : Commercialized

Location : Pune, India

Email : mosam.ugemuge@attronautomotive.com

Website : www.attronautomotive.com

About the Startup : Attron Automotive Private Limited specializes in

electric vehicle (EV) technology, committed to delivering innovative, affordable, and efficient solutions to the market. Attron Automotive develops advanced electric vehicle components, powertrains, and mobility solutions that align with the future of transportation. Their commitment to pushing boundaries and redefining industry standards is embedded in every aspect of their advanced motor and controller systems with Advanced Magnetic Design, Precision-Controlled Operation, and Customizable ETA Framework with Patented IPM

PMSM Technology.

Currently focussed on developing advanced products powered by cutting-edge technologies, Attron is also preparing for future advancements in manufacturing. Their proprietary ETA framework, an advanced control algorithm, optimizes motor and controller efficiency, underscoring their dedication to

advancing electric mobility.

Achievements : Successfully secured ₹4.75 crore in seed funding.

Runner up in SINE IIT Mumbai organized EVnext

hackathon.







#### Anave Decal Services Pvt. Ltd.

Founder : Mr. Rajiv Vesmawala

Sector : E-commerce and Marketplace for the Scale Model

Industry

Stage : Commercialized

Location : Mumbai, India

Email : rajiv@anavadvisory.com

About the Startup : Aanave Decal is an innovative on-demand decal

design, printing, and fulfillment company transforming the creative process for hobbyists and scale modelers. By specializing in custom decals for models and model kits, Aanave empowers enthusiasts to bring their ideas to life with precision

and passion.

What distinguishes Aanave is its print-on-demand (POD) business model, eliminating the need for bulk

production and inventory storage.

With its POD approach, Aanave excels in producing decals in small quantities, making it a perfect solution for hobbyists and professionals alike. Beyond custom designs, the company also offers aftermarket decals and has expanded its portfolio to include RC decals and actual vehicle decals. From scale models to RC vehicles or even personalizing a car, Aanave delivers high-quality, tailor-made decals with unmatched

efficiency.

Achievements : Built a robust global network of hobbyists in key

markets, including North America, the UK, Europe,

Australia-New Zealand, Japan, and Malaysia.







#### Borse Automotive Pvt. Ltd.

Founder : Mr. Shekhar Borse

Sector : Autonomous Vehicles (AV) - Agritech

Stage : Minimum Viable Product (MVP)

Location : Nashik, India

Email : CEO@borseautomotive.com
Website : www.borseautomotive.com

About the Startup :

Borse Automotive Pvt. Ltd. is at the forefront of autonomous technology, specializing in the design and manufacturing of Autonomous UGVs (Unmanned Ground Vehicles). These advanced ground-based robots operate autonomously, eliminating the need for human intervention and are tailored for agricultural applications like ploughing, sowing, and harvesting.

With their robust design and ability to handle heavy machinery in all weather conditions, UGVs offer distinct advantages over traditional methods, including carrying larger payloads compared to drones. Borse Automotive's cutting-edge solutions are reshaping industries reliant on precision and efficiency.

Their flagship Assist Vehicle is engineered for extreme durability, equipped with IP-rated components that resist water and dust effortlessly. It excels in the harshest environments, from rocky coastal terrains to severe climatic conditions, delivering consistent performance with minimal maintenance.







#### CargoFL / Innoctive Technologies Pvt Ltd

Founder : Mr. Deepesh Kuruppath

Sector : Software - Logistics and Supply Chain Solutions

Stage : Commercialized
Location : Pune India

Email : deepesh@innoctive.com

Website : www.cargofl.ai

About the Startup : CargoFL, developed by Innoctive Technologies Pvt.

Ltd., is an Al-driven technology platform designed to revolutionize logistics and supply chain management. By enabling businesses to track shipments, optimize routes, and monitor driver behavior, CargoFL delivers significant cost savings

and productivity enhancements.

The platform integrates seamlessly with multiple GPS vendors, providing actionable insights that help businesses improve operational efficiency and reduce costs. With its advanced features, CargoFL is reshaping how logistics operations are managed,

making them smarter, faster, and more reliable.

CargoFL continues to lead the transformation of logistics and supply chain management through cutting-edge AI solutions, empowering businesses to achieve unparalleled efficiency and cost-

effectiveness.

Achievements : Successfully raised ₹6.75 crore in a seed funding

round led by Your Nest, Expansion In Europe and

America.

CargoFL has been awarded as Indian Achievers Award for 'Entrepreneur of the Year 'for Transport Management System among the top logistics tech company of the world.





About the Startup



#### Carkarlo Mobility Technologies LLP

Founder : Vikash Banerjee

Sector : Self-Drive Car Rental Marketplace

Stage : Commercialized

Location : Pune, India

Email : vikash@carkarlo.in

Website : www.carkarlo.in

Carkarlo is a tech-enabled self-drive car rental marketplace based in Pune, providing an innovative solution for both car owners and renters. The platform allows car owners to share their vehicles with verified customers when not in use, enabling owners to earn additional income without the burden of ownership.

On the flip side, customers seeking rental cars can access a wide range of vehicles without the need to buy or maintain one, making Carkarlo a flexible, cost-effective, and convenient option for personal transportation.

transportation.

Carkarlo continues to innovate in the car rental space, combining technology with peer-to-peer sharing to offer a win-win solution for both owners and renters.





#### Cropper Technologies Pvt. Ltd.

Founder : Priyan Shah

Sector : Al-Powered Agri-Robots

Stage : Minimum Viable Product (MVP)

Location : Indore, Madhya Pradesh, India

Email : manuj@croprover.in

Website : www.croprover.in

About the Startup : CropRover is transforming vineyard and orchard

management by harnessing the power of autonomous rovers and Al-driven robotic arms. The platform automates a range of essential tasks, such as pruning, harvesting, pest control, weed management, and disease monitoring, significantly

enhancing productivity and efficiency for farmers.

Key features of CropRover Include A u t o n o m o u s rovers for navigation and efficient field m a n a g e m e n t. Al-powered robotic arms for critical tasks like pruning, harvesting, pest control, weed management, and disease monitoring. Real-time data analytics to

support informed decision-making.

User-friendly interface that allows farmers to monitor

and control operations easily.

CropRover is pioneering the future of agriculture with its smart, autonomous solutions, helping farmers optimize their operations while reducing manual

labour and enhancing sustainability.

Achievements : Participated in the World Agri-Tech Innovation

Summit 2024 at Conrad Dubai, showcasing their

cutting-edge technology to a global audience.







#### Equip9 Pvt. Ltd.

Founder : Gaurav Bhushan

Sector : Heavy Equipment Industry - Marketplace

Stage : Commercialized

Location : Pune, India

Email : gaurav.bhushan@eguip9.com

Website : www.equip9.com

About the Startup : Equip9 is a digital marketplace designed for the heavy

equipment industry, offering customers a one-stop solution for managing their equipment-related needs. The platform provides insights into certified workforce availability, spare parts for equipment, maintenance services, and equipment utilization, all at the user's fingertips. Equip9 is bridging the gap between industry stakeholders, making operations

smoother, more efficient, and cost-effective.

Equip9 empowers customers to optimize their equipment's performance and streamline workforce management, offering a comprehensive platform for

all their heavy equipment-related requirements.

Equip9 continues to drive innovation in the heavy equipment sector by delivering powerful digital solutions that enhance transparency, improve

productivity, and reduce operational inefficiencies.

Achievements : Official Startup Digital Partner for the Bharat

Construction Equipment Expo 2025, further establishing its leadership in the heavy equipment

digital marketplace.







#### Greenie Energy Technologies Pvt. Ltd.

Founder : Istayak Ansari

Sector : EV Charger

Location

Stage : Commercialized

Email : istayak.ansari@greenie-energy.com

Mumbai. India

Website : greenie-energy.com

About the Startup : Greenie Energy is revolutionizing the electric vehicle

(EV) charging industry with its IoT-based charging stations designed for EV owners of 4W, 3W, and 2W vehicles. The platform offers a fully online and cashless charging experience, enabling users to charge their EVs conveniently at any location

equipped with a Greenie Energy charging station.

The company's charging station and app are designed for easy scalability and can be installed at zero capital expenditure (CAPEX) for the host. Greenie Energy follows a B2B2C business model, allowing hosts to monetize the charging station, making it a win-win solution for both businesses and consumers.

Greenie Energy's platform is driving the future of EV infrastructure with a focus on convenience, scalability, and cost-effectiveness for users and hosts

alike.

Greenie Energy continues to make significant strides in the EV space, offering sustainable solutions that

facilitate the transition to greener transportation.

Achievements : Successfully secured \$600,000 (₹5 crore) in seed

funding to fuel future growth and expansion.







#### Krishigati Pvt. Ltd.

Founder : Tukaram Sonawane

Sector : Electric-Bull AgriTech

Stage : Commercialized

Location : Pune, India

Email : krishigati@gmail.com

Website : www.krishigati.com

About the Startup : Krishiga

Krishigati Pvt. Ltd. is pioneering the development of an axle-less electric tiller designed to enhance efficiencyin agricultural operations, especially for intercultural cropping and crop protection. This innovative solution addresses the challenges of laborious tasks like pesticide spraying, de-weeding, sowing, and food-grain crop management. The company also tackles labor shortages in agriculture by offering a versatile, environmentally friendly alternative to traditional farming tools.

By eliminating the need for bulky, fuel-powered machinery, Krishigati's electric tiller promotes sustainability while ensuring increased productivity and ease of use in farming operations.

Krishigati continues to revolutionize farming practices with its cutting-edge technology, driving the industry towards sustainable and efficient agricultural solutions.

Achievements : Winner of the 'INNOVATORS FOR AGRICULTURE AND

ANIMAL HUSBANDRY' category at the National Startup Awards 2023, recognizing Krishigati's

contributions to agricultural innovation.







Nettoyer Automotives Pvt. Ltd. / Motorall

Founder : Ravindra Joshi

Sector : EV Powertrain System

Stage : Commercialized

Location : Pune, India

Email : nettoyerautomotives@gmail.com

Website : www.motorall.in

**About the Startup** : Motorall is at the forefront of delivering power-

packed, energy-efficient motors with an exceptional power-to-size ratio. This means achieving higher performance levels without compromising on space or energy consumption. Motorall offers the flexibility of custom shapes and designs in both Out Runner and In Runner platforms, making it ideal for adapting to unique spatial constraints or meeting specific

performance requirements.

With a focus on innovation, Motorall is transforming the EV powertrain system by offering cutting-edge solutions that combine compactness, performance, and energy efficiency, propelling the next generation

of electric vehicles.

Motorall is committed to driving the evolution of the electric vehicle industry with superior, energy-

efficient powertrain technologies.

Achievements : Runners-up at the EVnext Challenge, winning ₹2

Lakhs for innovative contributions to the EV sector.







#### Praved EV Pvt. Ltd.

Founder : Chirag Sanadhya

Sector : EV-Bike

Stage : MVP

Location : Udaipur, India

Email : chiragsanadhya007@gmail.com

Website : www.pravedev.com

About the Startup : Praved EV is a pioneering startup committed to

revolutionizing electric mobility and green energy solutions. Founded in 2023, Praved EV's mission is to create sustainable, innovative, and user-friendly transportation solutions that address the pressing

challenges of urban mobility.

At the heart of their innovation is the Voltron ACE, India's first dual-wheel drive electric motorcycle. This prototype redefines electric vehicle performance with 300 km range, Rapid 10-minute charging, and Cutting-edge features like intelligent connectivity, advanced safety systems, and customizable design

Driven by a passionate and experienced team, Praved EV blends technical expertise with a strong commitment to sustainability. The company is continuously refining its designs and leveraging cutting-edge technology to deliver the future of

electric transportation.

Achievements : Secured ₹2.5 Lakhs pre-seed grant from STPI Pune

Praved EV aims to lead the electric mobility revolution in India and beyond, contributing to a cleaner,

greener world for future generations.







#### **Quintrans Hyperloop PVT LTD**

Founder : Pranay Luniya

Sector : Mobility Solution

Stage : Prototype.
Location : Pune,India

Email : pranayluniya@quintranshyperloop.com

Website : www.quintranshyperloop.com

About the Startup : Quintrans Hyperloop is on a mission to revolutionize

transportation in India and Asia through the development of Hyperloop technology. With Hyperloop, cities that once took hours to reach will become accessible in mere minutes, all at a fraction of the cost. Quintrans envisions building a robust Hyperloop network that connects major cities across India and beyond, transforming travel across borders

in a matter of minutes.

After working on the Hyperloop for three years as a student team, the founders established Quintrans, marking it as the first private Asian Hyperloop venture. The company focuses on cost-effective development of the technology, with the goal of creating an interconnected network that transcends

borders and accelerates urban mobility.

Achievements : YourStory Techsparks Winner 2024 Mumbai Edition.

SIAT Expo-Best Startup Exhibitor.

Top 10 Startups by Backstage with Millionaires.

Quintrans Hyperloop is poised to redefine the future of intercity transportation, making it faster, more

affordable, and more sustainable.





## RADBOARDS

#### Radboards Private Limited

Founder : Kiran Makam

Sector : Portable EV

Stage : Commercialised

Location : Bengaluru, India

Email : Kiran@radboards.in

Website : www.radboards.in

About the Startup : Radboards Private Limited is dedicated to transforming

sustainable transportation by creating personal, portable electric vehicles such as Hoverboards, E-Scooters, Electric Unicycle, E Skateboard, Handle Hoverboard & Self Balancing Scooter designed to minimize environmental impact. The company specializes in easily modifiable and transportable vehicles that are license-free, require minimal parking space,

and are suitable for ages 10 and up.

Radboards is committed to revolutionizing last-mile connectivity while ensuring that their products contribute to a cleaner, greener planet. Their products boast the most affordable operating costs in their segment, with a running cost of only 8 paisa per kilometer. The company is also focused on providing user-friendly charging systems and aesthetically pleasing designs for an enhanced customer experience.

Achievements : Represented India in the Future Tech Fest

Selected for the Indian Startup Delegation to NRW,

Germany.







#### RoadBounce - Definitics Software Solutions Pvt. Ltd.

Founder : Ranjeet Deshmukh

Sector : Software - Road Monitoring Systems

Stage : Commercialised

Location : Pune, India

Email : contact@roadbounce.com

Website : www.roadbounce.com

**About the Startup** : RoadBounce is a pioneering technology developed by

Definitics Software Solutions Pvt. Ltd. designed to enhance road monitoring and maintenance. The company focuses on helping road authorities with real-time road monitoring to improve road infrastructure efficiency. With a particular emphasis on vibration-based road roughness measurement technology, RoadBounce offers a smartphone-based software solution that accurately estimates road

roughness and driving comfort.

The RoadBounce app allows government and private road authorities to efficiently measure road roughness, improving road infrastructure by collecting uniform data at frequent intervals. This contributes significantly to strategic and network-

level asset management decisions.

The company aims to make daily travel safer and smoother, leading the way toward better road

infrastructure worldwide.

Achievements : Featured on the iconic show Shark Tank India Season 1

RoadBounce continues to innovate and improve the state of road infrastructure and automotive safety

with cutting-edge, real-time technology.







# Sakar<u>R</u>obotics

#### **Sakar Robotics Private Limited**

Founder : Karan Patil

Sector : Robotics & Automation

Stage : MVP

Location : Pune, India

Email : karan@sakarrobotics.com

Website : www.sakarrobotics.com

About the Startup : Sakar Robotics is a dynamic and innovative company

dedicated to revolutionising the construction industrythrough automation and cutting-edge technology. The company specializes in providing advanced robotic solutions to transform traditional

construction activities.

This technology allows construction teams to streamline the often labor-intensive task of wall finishing, improving speed, efficiency, and accuracy. By leveraging robotics and automation, Sakar Robotics is setting new standards in the construction industry, promising to cut down costs, reduce errors.

and enhance overall productivity.

Achievements : Awarded Best Startup in the Award for Eminence

category

Showcased LISA (Linen Inspection & Sorting

Assistant) at Laundrex India Expo

Sakar Robotics continues to make significant strides toward a more efficient and automated future for the construction industry, with solutions that address key

challenges in residential project workflows







#### Scan to Save / Propellers Marketing Solutions LLP

Co-Founder : Gagandeep Gujral

Sector : Healthcare

Stage : Commercialised

Location : Pune, India

Email : pranav@scan2save.in

Website : www.scan2save.in

About the Startup : Scan to Save introduces an innovative Personal

Identification Kit for Emergencies (PIKE), a QR codebased emergency ID kit designed to provide critical information to emergency responders in times of need. This pioneering product is designed to improve response times and decision-making during critical

incidents.

When an emergency arises, responders can simply scan the QR code to instantly access vital details such as the individual's medical history, emergency contacts, allergies, and more. This ensures that critical information is readily available, allowing for faster and more informed action when every second counts.

The goal of Scan to Save is to enhance safety and save lives by providing emergency responders with the right information at the right time, especially in situations where time is of the essence.

Scan to Save is transforming how healthcare providers and emergency responders interact with patient data during life-saving moments.





#### **SHOONYA MOBILITY**



#### **Shoonya Mobility**

Founder : Hitesh K Sharma

Sector : Retrofitting - Electric Vehicles (EV)

Stage : MVP

Location : Pune, India

Email : shoonyamobi@gmail.com

**About the Startup** : Shoonya Mobility specializes in converting Gypsy

vehicles into Electric Vehicles (EVs) through an innovative retrofit process. The goal is to address common issues associated with retrofitting, such as warranty concerns, reliability issues, and challenges surrounding the regulatory framework for vehicle

fitness.

The Shoonya Mobility Kit is equipped with an ARAI-approved EV Kit, ensuring the vehicle meets the highest standards of durability and reliability, comparable to original equipment manufacturer (OEM) quality. The kit is designed for easy installation at a garage level using hand tools, with the added benefit of zero vibration and noise during operation.

As part of the retrofit process, Shoonya Mobility conducts a vehicle audit for structural fitness and declares the vehicle's fitness life. This audit is essential for linking warranty, service, and insurance, while also providing an additional revenue source for service providers.

Shoonya Mobility is committed to driving sustainable mobility in India by providing practical, reliable, and cost-effective solutions for retrofitting vehicles to electric power.



#### **INFRASTRUCTURE SUPPORT**

### Co-working space





Maker space





Conference room





Training room



EV lab







#### **AIC-Pinnacle Entrepreneurship Forum**

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