



SUPTA TECHNOLOGY

PRIVATE LIMITED

— ENGINEERING INNOVATION WITH PURPOSE

 2026 Company Profile

 www.suptatech.com

About Us

Engineering comprehensive technology solutions

Who We Are

Supta Technology is a comprehensive technology solutions provider specializing in end-to-end product development. Our expertise encompasses product design, embedded systems, software and firmware engineering, hardware development, and manufacturing support—enabling us to transform innovative concepts into commercially viable solutions.

Our Approach

We deliver integrated technology services that combine strategic design thinking with technical excellence. From initial concept validation through production deployment, our systematic approach ensures accelerated time-to-market while maintaining the highest standards of quality and performance.

Methodology

Our modular development methodology leverages synergies between software agility and hardware reliability, delivering scalable architectures that support future enhancements. This approach positions our clients to adapt swiftly to evolving market demands while maximizing return on investment.



Product Design



Embedded Systems



Software & Firmware



Hardware Development



Manufacturing Support

Our Vision, Mission & Values



Our Vision

To be globally recognized as the preferred technology partner, distinguished by our ability to solve complex engineering challenges and deliver innovative solutions that drive industry transformation.



Our Mission

To empower organizations and entrepreneurs by translating innovative concepts into market-leading products through excellence in engineering, unwavering commitment to quality, and technology solutions that establish new benchmarks for industry advancement.

★ Core Values



Innovation

We engineer forward-thinking solutions that redefine technological boundaries and create competitive advantage.



Quality

Excellence is embedded in every aspect of our delivery—from architecture design to final implementation.



Collaboration

We forge strategic partnerships with clients, functioning as an extension of their team to realize shared objectives.



Integrity

We conduct business with transparency, accountability, and unwavering ethical standards.

Strategic Planning & Development

We provide comprehensive, single-source solutions encompassing strategic planning, development, production, and ongoing support—tailored precisely to your technical requirements and business objectives.

Pre-Production & MVP Development

Our product development methodology integrates design excellence with engineering rigor, creating solutions that balance aesthetic appeal with robust functionality and optimal user experience. Through rigorous market analysis and user-centric design principles, we ensure final products not only meet market requirements but exceed stakeholder expectations.

Embedded Systems

Supta Technology specializes in scalable embedded systems architecture across multiple complexity tiers, offering flexible, customizable solutions that adapt seamlessly to evolving customer requirements and application-specific constraints.

Scalable

Customizable

Adaptive

- OUR DEVELOPMENT JOURNEY -



Discover

Requirements



Design

Architecture



Develop

Engineering



Validate

QA Testing



Pilot/MVP

Launch



Production

Manufacturing



Support

Maintenance

Hardware Development Services



Internet of Things (IoT) Solutions

- > Edge Computing Module Design & Development
- > Edge AI Implementation & Optimization
- > IoT Gateway Architecture & Development
- > Cloud Integration & Infrastructure Support
- > Remote Device Management
- > Secure Data Transmission Protocols



Embedded Systems Engineering

- > Board Support Package (BSP) Development
- > Software Development Kit (SDK) Engineering
- > Custom Hardware & PCB Design
- > Firmware Architecture & Development
- > System Initialization & Bring-up
- > Linux Device Driver & App Development
- > Kernel Porting & Optimization
- > RTOS & Bare-Metal Applications



Product Design & Engineering

- > Mechanical Design & CAD Engineering
- > Rapid Prototyping & Proof-of-Concept
- > Hardware & PCB Layout Design
- > Integrated Software/Firmware Development
- > Design for Manufacturing (DFM) Support
- > Production Deployment & Field Support
- > Low-Power & Battery-Optimized Design



Advanced Technology Services

- > Containerization & Microservices Architecture
- > Cloud-Native Network Functions (CNF)
- > Telecom/Wireless: 5G Broadcast Tech
- > Industrial Automation: Custom ATE Design
- > Consumer Electronics Development
- > System Integration & Testing

Software Development Services



Microcontroller Programming

Comprehensive microcontroller solution services—from optimal component selection and architecture design through complete programming and validation. We ensure robust performance for critical embedded applications.



Embedded Linux Development

Extensive expertise in Linux-based embedded systems development, including kernel customization, driver development, and application-level programming for enterprise-grade embedded solutions.



Rapid Prototyping Services

Swift concept validation and functional verification through iterative design refinement. We de-risk product development and optimize design decisions prior to production commitment—significantly reducing time-to-market.



Technology Consulting

Strategic consulting on platform selection and system architecture. Expertise includes advanced applications like automotive Battery Management Systems (BMS) with power handling from 500W to 1000W.

Client Support & Manufacturing



Technical Support

Our dedicated support team is available during business hours via multiple channels to ensure responsive, professional assistance for all client inquiries. We prioritize rapid resolution to minimize any disruption to your operations.



Client-Centric Approach

We maintain a consultative partnership model, delivering timely responses to every inquiry and customizing solutions to precisely align with your specific technical requirements and business objectives.



Manufacturing Services

PRODUCTION & LOGISTICS

Navigating the development-to-production transition requires specialized expertise. Our comprehensive manufacturing support encompasses:

- ✓ Quality Assurance & Testing Protocols
- ✓ Supply Chain Management & Vendor Coordination
- ✓ Production Logistics & Process Optimization
- ✓ Compliance & Standards Verification

i We ensure seamless production scaling while maintaining the highest quality standards, positioning your product for successful market entry.

Leadership Profile

CHIEF EXECUTIVE OFFICER

Software & Systems Architect

Product Architect & Embedded Systems Consultant

A seasoned architect working at the intersection of low-level systems and high-level product architecture. With deep expertise in Linux kernel customization, board bring-up, and device drivers, I help teams build reliable, scalable, and production-ready technology.

"I focus strongly on design clarity, long-term maintainability, and real-world constraints—helping startups and enterprises move seamlessly from idea to execution."

Leading projects involving PoCs, MVPs, and complex production systems across embedded platforms, system emulation, and developer tooling.

CORE EXPERTISE

Linux Kernel

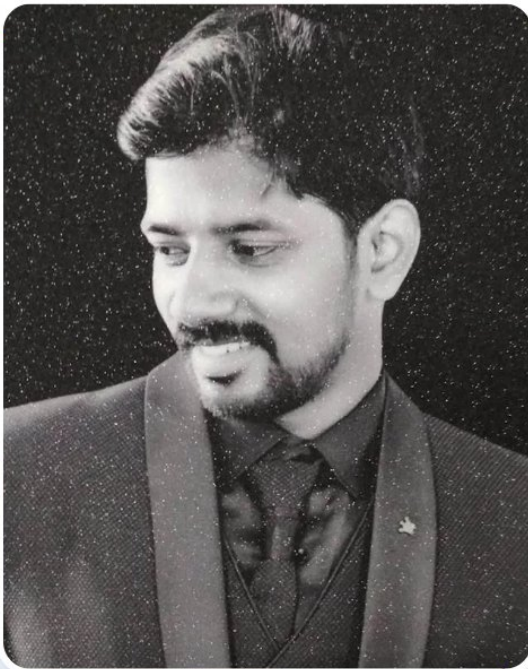
Embedded Systems

Product Architecture

System Software

MVP Strategy

Board Bring-up



Partner With Us

Whether you're at the conceptual stage or ready to scale production, Supta Technology is your strategic partner for comprehensive technology development. We invite you to discuss how our expertise can accelerate your innovation journey from concept through commercialization.



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