

# Empowering Innovation in Embedded Systems & VLSI :

**Smart Solutions Tailored for You.**

Portfolio - 2025

**Madhusmita Choudhury**  
CEO, Founder





# About us

At Piest Systems, we bridge the gap between education and industry through expert training in Embedded Systems and VLSI. Designed for graduates and professionals, our job-based, skill-based, and modular programs include strong placement support—empowering you to upgrade your skills and secure a successful career in the tech industry.

Piest Systems offers expert specialized services in Embedded Systems, Automotive, IoT, and App Development. We empower individuals and businesses to innovate, grow, and succeed in today's tech-driven world.



# Our Mission

At PiEST Systems, we empower the next generation with world-class **Embedded Systems**, **IoT**, and **VLSI** education. We inspire innovation, foster inclusive communities, and champion sustainable technology development. Our mission is to drive global accessibility to advanced learning and practical skills, building future-ready professionals and solutions.

# Our Services

- **Embedded Automotive Services**: We specialize in ECU software development, testing, and validation, accelerating smart vehicle innovations.
- **IoT Mobility Services** : We deliver advanced IoT solutions to help businesses optimize operations and drive connected innovation.
- **App Development** : We create scalable, intuitive applications across Android, desktop, mobile, and web platforms, tailored to meet diverse business needs.





# Training Programs at Piest Systems



## Job Based Training

Our job-oriented courses are tailored to equip professionals with industry-specific skills, preparing them for roles in **Embedded Automotive Engineering, Software testing and Development, and validation.**



## Module Based Training

Focused on specialized modules like **MBT, Crypto Stack, DoIP Stack** various **DoCAN Stack, COM Stack, NVM Stack** these courses provide in-depth knowledge of essential system components.



## Skill Based Training

Enhance your expertise with key skills in **C, C++, CAPL, CAN, UDS**, and more, essential for automotive communication and embedded systems.



## Fresher Based Training

Designed for beginners, these programs cover foundational and advanced concepts in **Embedded IoT, Embedded Systems** and **Arduino Training** helping freshers kickstart their careers.



# Piest Systems Services



## Automotive Embedded



## IoT Mobility



## App Development

### Embedded Automotive Services

Our automotive services focus on Embedded Systems ECU software Development, Testing, and Validation, Driving Advancements in Smart Vehicle Technology.

### IoT Mobility Services

We deliver cutting-edge IoT solutions, enabling businesses to harness the power of connected devices for enhanced efficiency and innovation.

### App Development

We offer comprehensive development services, including end-to-end Android App Development, desktop app development, mobile app development, and website or web app development. Our solutions are intuitive, scalable, and tailored to meet the diverse needs of your business across platforms.





# IoT Mobility Services

**IoT Mobility Services** integrate IoT technologies with mobile devices and transportation systems, enabling real-time data exchange, seamless connectivity, and automation across industries. They are revolutionizing areas like vehicle tracking, fleet management, smart transportation, and mobile health monitoring.

## **Key Benefits:**

- **Real-Time Connectivity:** Connected devices and sensors provide instant access to critical data, improving operational efficiency and decision-making.
- **Fleet Optimization:** Monitor vehicle performance, track locations, and analyze driving behavior to optimize routes, reduce fuel costs, enhance safety, and enable proactive maintenance.
- **Smart Mobility for Cities:** Power intelligent transportation systems to manage traffic, reduce congestion, promote sustainability, and create a better commuting experience through real-time analytics and resource optimization.





# Automotive Embedded Services

## Automotive Embedded Services

Our automotive embedded services power the development of advanced control systems for engine management, powertrain control, and safety, enhancing vehicle performance, fuel efficiency, and regulatory compliance.

### Key Features:

- **Infotainment & Connectivity:** We design integrated infotainment systems that offer seamless navigation, entertainment, smartphone integration, and V2X communication, enriching the user experience.
- **Smart Mobility Solutions:** We enable over-the-air (OTA) updates and remote diagnostics, allowing continuous software improvements, faster maintenance, and reduced downtime for smarter, connected vehicles.





# App Development Services

## Application Development Services

We specialize in the development of robust, user-friendly applications across platforms to ensure optimal performance and seamless user experiences.

### Key Services:

- **Desktop App Development:** High-quality applications for Windows, Mac OS, and Linux, optimized for cross-platform compatibility.
- **Mobile App Development:** Tailored Android and iOS apps that enhance user experience and functionality.
- **IoT App Development:** Enabling connectivity and control over IoT devices, integrating with smart technologies.
- **Web App Development:** Creating interactive, responsive, and scalable web apps for enhanced performance.
- **Website Development:** Dynamic, visually appealing websites designed to reflect brand identity and engage users.

### Additional Offerings:

- **Cross-Platform Development:** Efficient applications for multiple platforms, reducing development time and ensuring consistency.
- **Cloud Integration:** Enabling cloud-based data storage, synchronization, and remote access for better scalability.
- **UI/UX Design:** Focusing on intuitive navigation and attractive design to enhance user satisfaction.
- **Ongoing Support & Maintenance:** Ensuring applications are secure, up-to-date, and performing optimally.



# Turning Ideas into Reality (POC)

## 1. Rapid Innovation with POCs

PiEST Systems specializes in building fast, functional Proof of Concepts (POCs) to validate product ideas, reduce development risks, and accelerate time-to-market. From embedded systems to IoT and smart technologies, we turn concepts into tangible prototypes that inspire confidence and drive innovation.

## 2. Transforming Ideas into Working Models

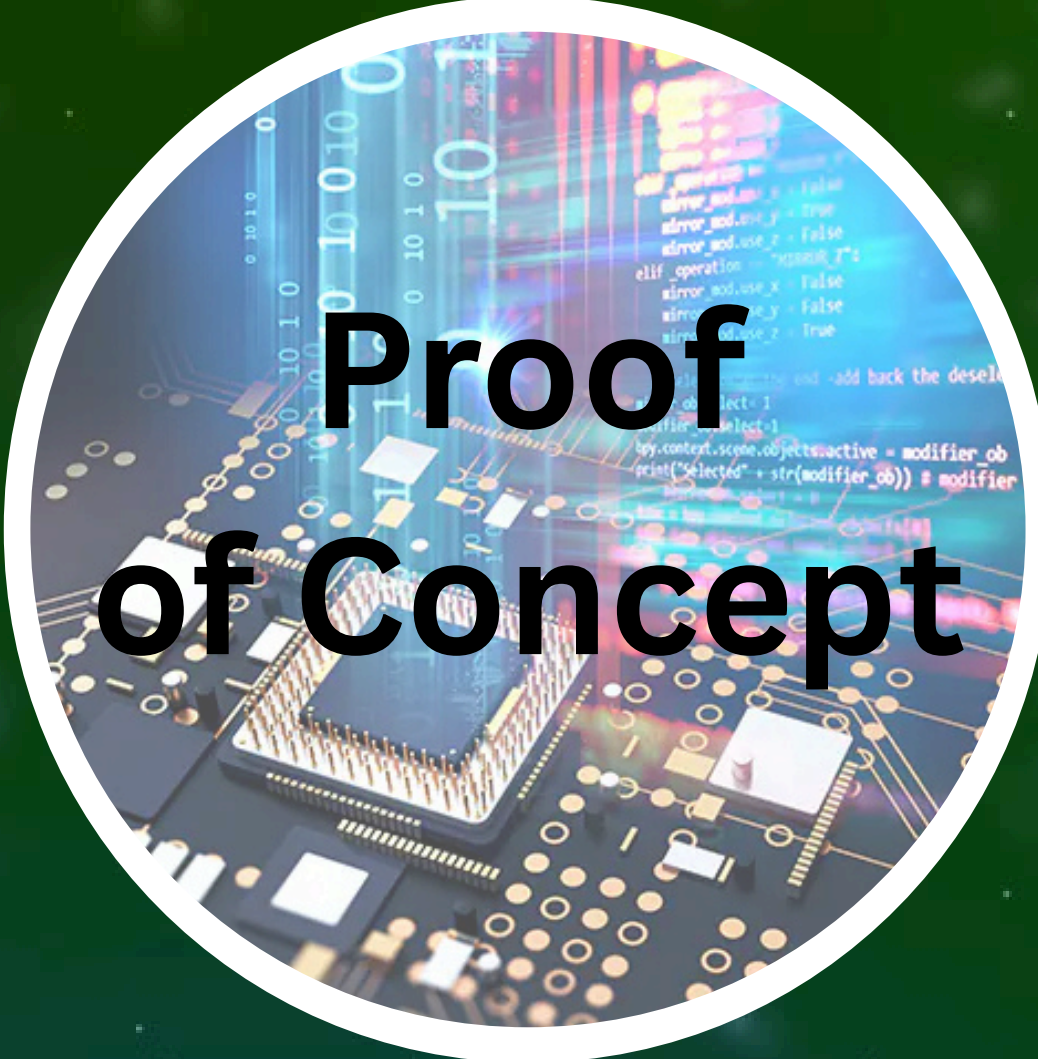
At PiEST Systems, we bring your ideas to life through high-impact POCs. Our team crafts real-world prototypes that showcase functionality, highlight feasibility, and pave the way for full-scale product development across embedded, VLSI, and IoT solutions.

## 3. POC Development for Next-Gen Products

Speed up your innovation journey with PiEST Systems' POC development services. We create early-stage models that test concepts, prove technologies, and enable smarter decision-making empowering faster, stronger product launches.

## 4. Bridging Concept and Reality

Our Proof of Concept (POC) services at PiEST Systems help you validate designs, optimize technology choices, and demonstrate value early. Whether in embedded automotive, IoT, or app development, we turn ideas into actionable prototypes that set the foundation for success.



**Proof  
of Concept**



# Employee Outsourcing Services

## Roles and Responsibilities

---

At Piest Systems, we provide end-to-end employee outsourcing solutions by hiring skilled candidates and offering comprehensive training to both fresh graduates and experienced professionals. As the parent company, we ensure our candidates are well-prepared for client projects by delivering job-specific training tailored to the client's needs. We deploy our trained professionals to client locations, ensuring continuous support through our expert team. If any challenges arise, such as bugs or technical issues, our experts provide prompt solutions to ensure project success. We handle payroll and all administrative aspects, allowing clients to focus on their core business operations while benefiting from our skilled workforce.





# Your Long-Term Partner in Embedded and VLSI Solutions



At Piest Systems, we don't just provide services—we build long-term partnerships. What sets our portfolio apart is our commitment to innovation, personalized solutions, and a hands-on approach to every project. From Embedded Systems to VLSI solutions, our team tailors each strategy to fit our clients' specific needs, ensuring scalability and efficiency. Our focus on continuous learning and cutting-edge technology enables us to stay ahead of trends, delivering not just products, but future-proof solutions that drive sustainable growth. Partner with us, and experience the difference of a portfolio built on expertise and trust.



# Teams & Responsibility

At Piest Systems, we offer continuous learning opportunities tailored to each team's needs through job-based, skill-based, and module-specific training, empowering team members to excel in their responsibilities. Our teams benefit from personalized career guidance and targeted development resources, supporting growth and success within their roles. We foster a collaborative, innovative culture that encourages every team member to contribute to impactful projects, promoting teamwork and advancing shared goals across the organization.

**Continuous  
Learning**

**Personalized  
Guidance**

**Collaborative  
Innovation**





# Keep Connected With Us



Contact Us

**+91-9071123555**



Our Email

**info@piestsystems.com**



Website

**www.piestsystems.com**



Our Location

**Bengaluru, Karnataka, India**





# Thank You For Your Attention

---

