# TCS Products and Platforms

## Innovative Solutions for Every Challenge

TCS offers a comprehensive suite of products and platforms designed to address complex business challenges and drive digital transformation across industries.

Key Platform Offerings:

TCS BaNCS? - Next-Generation Banking Core Platform Advanced banking technology enabling seamless customer experiences and operational excellence

TCS AI WisdomNext? - Industry-First GenAI Aggregation Platform Launched to help enterprises adapt to the rapidly evolving opportunity in Generative AI

HyperVault - AI-Driven Tech Leadership Launched in 2024 to lead AI-driven technology globally

TCS OmniStore? - In-Store Mobile Checkout Solutions Enables 100% in-store mobile checkout for retail operations

TCS Aviana? - Digital Transformation Platform Helps enterprises get off to a flying start with digital transformation initiatives

Solution Portfolio: - Cloud-based business solutions - Enterprise integration platforms - Data and analytics solutions - GIS and location intelligence - Mid-market ERP solutions - Supply chain optimization - Customer experience platforms

Co-Innovation Ecosystem: - Over 2,500 startups in the network - Over 50 academic partners - Focus on bringing innovative technology from startup ecosystem to solve customer challenges - COIN (Co-innovation Network) program launched in 2004

Product Highlights: TCS maintains a robust product portfolio that addresses business transformation, operational excellence, and customer experience across multiple industries and use cases.

**Theoretical Background** This section provides theoretical foundations and core principles underlying products and platforms. It explains conceptual models, foundational algorithms, and frameworks practitioners use to reason about the topic.

**Core Concepts** - Definitions and formalization of the problem domain. - Key models and abstractions used in analysis (e.g., probabilistic models, optimization objectives, architectural patterns).

**Mathematical / Conceptual Models** Where applicable, include concise descriptions of relevant mathematical concepts: probability distributions, objective functions, complexity considerations, system-of-systems models, or governance/control loops.

**Implications for Practice** Practical implications, trade-offs, typical deployment considerations, data needs, evaluation metrics, and governance or compliance concerns.

**Further Reading & References** Pointers to canonical textbooks, surveys, standards, and influential papers that help deepen understanding.