Confederation of Indian Industry

BIG DATA & ANALYTICS CONCLAVE

Confederation of Indian Industry

"Decoding Tomorrow: Innovate, Integrate, Inspire"

Wednesday, 17 Dec 2025: ITC Maurya, New Delhi

www.cii-bigdata.in

Programme

1000 - 1050 hrs

Inaugural Session | "Decoding Tomorrow: Innovate, Integrate, Inspire"

As India advances rapidly toward its vision of a $5 trillion digital economy, data has become the core engine powering this transformation. From UPI and Aadhaar to ONDC and Digital Health, the country is demonstrating how scalable digital infrastructure can redefine citizen services, modernise industries, and strengthen governance. The discussion showcases India's progress in applying big data, AI, and advanced analytics to enable inclusive growth, smarter decision-making, and future-ready enterprises. The theme reflects the nation's dedication to innovation-driven development, seamless integration across digital platforms, and a forward-looking vision where technology empowers every community and sector.

As India emerges as a global benchmark for scalable digital transformation, this meeting becomes a vital platform to explore how data will shape the country's next decade of economic momentum and societal progress.

1100 hrs	Inaugural Session Concludes

1100 – 1200 hrs

Panel Discussion - I | "AI-Ready Data Foundations: Platform & Quality"

Background:

As organisations race toward GenAI and advanced analytics, the true challenge lies in preparing their data foundations for AI-scale transformation. This session explores how enterprises can modernise their data estates to ensure accuracy, accessibility, security, and real-time readiness. From next-gen architectures to governance frameworks and reusable data products, the discussion will decode what it really takes to build AI-ready, enterprise-wide data ecosystems capable of powering innovation and delivering business value with speed, trust, and agility.

Discussion points:

- How organisations can adopt next-gen architectures—data lakes, lakehouses, semantic layers, and real-time streaming—to support high-volume, high-quality data needed for GenAI and advanced analytics.
- Establishing enterprise-wide governance models that enforce data standards, metadata management, lineage, access controls, and policy compliance essential for reliable and ethical AI adoption.
- Best practices for improving data completeness, consistency, deduplication, and cross-system interoperability so AI models can perform with precision and confidence.
- How data products, shared datasets, and domain-specific data assets can accelerate AI deployment by reducing duplication, improving collaboration, and enabling self-service analytics.
- Balancing high-speed data processing with robust security, privacy-by-design, and real-time monitoring to safeguard sensitive information in AI-driven environments.

1200 hrs	Session concludes
1200 – 1215 hrs	Tea / Coffee Break

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1215 – 1315 hrs

Panel Discussion - II | "Responsible, Secure & Compliant Data: Navigating DPDP, AI Governance & Cyber Risk"

Background:

In an era where data fuels every decision, service, and digital experience, trust has become the ultimate currency. As India operationalises the Digital Personal Data Protection (DPDP) Act and prepares for emerging AI governance frameworks, organisations face rising expectations around privacy, ethics, and security. This session explores how enterprises can build data ecosystems that are not just intelligent, but also accountable, secure, and fully compliant. With cyberattacks intensifying and AI adoption accelerating, responsibly managing data risk is no longer optional—it is central to sustaining trust, protecting reputation, and driving long-term digital resilience.

Discussion Points:

- How organisations can implement DPDP requirements through consent management, lawful processing, data minimisation, and privacy-by-design—ensuring compliance without slowing innovation.
- Approaches for building ethical and accountable AI systems, ensuring models are fair, auditable, and trustworthy, especially in high-stakes sectors like finance, healthcare, and public services.
- Strategies to counter ransomware, insider threats, third-party vulnerabilities, and supply-chain risks while securing cloud, edge, and hybrid data ecosystems.
- The role of joint governance teams—compliance, legal, IT, cybersecurity, and business leadership—in overseeing data risk, regulatory readiness, and enterprise-wide accountability.
- How enterprises can pursue advanced analytics and AI innovation while maintaining trust through strong controls, transparent data use, and a culture of responsible digital practices.

1315 hrs	Session concludes

1315 – 1415 hrs

Panel Discussion – III | "Decision Intelligence at Scale: From Dashboards to Autonomous Operations"

Background:

As organisations move beyond static reporting, decision intelligence blends machine learning, GenAI copilots, and advanced analytics to enable faster, more accurate, and context-aware decisions. This session showcases how enterprises can scale intelligence across functions—optimising revenue, reducing cost, mitigating risk, and accelerating operational agility. The discussion explores the shift from traditional dashboards to fully embedded decision systems that guide real-time business actions

Discussion Points:

- How enterprises are transitioning from static dashboards to intelligent systems that provide real-time recommendations, scenario simulations, and automated insights tailored to business context.
- Ways in which sales, supply chain, finance, manufacturing, and customer operations can embed ML models, GenAI copilots, and predictive engines to optimise revenue, reduce cost, and boost efficiency.
- The journey from human-in-the-loop analytics to autonomous operations—where systems trigger actions, alerts, or workflows based on data signals, reducing delays and improving precision.
- How modern architectures enable high-speed data processing, feature stores, and generative AI-driven copilots that support faster decision-making, risk detection, and operational agility.
- Addressing challenges such as data silos, model governance, workforce readiness, trust in AI recommendations, and the cultural shift required to fully adopt intelligent decision systems.

1415 hrs	Session concludes
1415 onwards	Networking Lunch & Conclave Concludes

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