

CTAIO

CHIEF TECHNOLOGY & AI OFFICER

India's first and only CTAIO program, delivered through a unique collaboration of a leading tech and business school.



Duration : 6 Months

GET READY TO LEAD AS TOMORROW'S ~~CTO~~ CTAIO.

Boards increasingly seek leaders who unite AI expertise with strategic business insight. In just 6 months, this one-of-a-kind, newly crafted program helps you develop the skills to deliver measurable outcomes and prepares you for the C-suite's fastest-growing role.



FOR THE FIRST TIME,
TWO ACADEMIC
POWERHOUSES
UNITE TO CERTIFY
THE FUTURE OF
TECH LEADERSHIP.



This is to certify that

Participant's Name

has successfully completed the

Chief Technology & AI Officer Program

jointly conducted by the International Institute of Information Technology Bangalore
and the Indian Institute of Management Udaipur
on <<Datest Month Year>>

Prof. Debabrata Das
Director, IIIT-B

Prof. Chandrashekar Ramanathan
Dean (Academics), IIIT-B

Prof. Shobhit Aggarwal
Chairperson, Executive Education, IIMU

Prof. Ashok Banerjee
Director, IIMU

ABOUT IIIT-BANGALORE



Established in 1998, IIIT-B is a premier institute known for its interdisciplinary approach, integrating technology with social sciences. It offers undergraduate, postgraduate, and Ph.D. programs specialising in Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), Data Science and Artificial Intelligence (DSAI), Digital Humanities and Societal Systems, as well as broader fields of IT and research. Situated in the heart of Electronic City, Bangalore, IIIT-B holds a prominent position in the academic landscape.

The institute is graded A+ by the National Assessment and Accreditation Council (NAAC). Its faculty have published over 500 papers in top science journals worldwide and hold more than 100 patents, making it a preferred destination for aspiring technologists and future leaders.



ABOUT IIM UDAIPUR



IIM Udaipur is an emerging globally recognised B-School, renowned for its academic excellence, world-class research, and the holistic development of future business leaders. In just eight years since its establishment, it earned the prestigious AACSB accreditation, a global benchmark in business education. As one of the youngest B-schools globally, IIM Udaipur has been featured in both the Financial Times and QS Global MIM Rankings. It is the only IIM to appear in the FT Global MIM Rankings 2024 for the 6th consecutive year, and it is ranked 6th among all IIMs in the QS Global MIM 2025 rankings, and 21st in the NIRF Management category 2025.

Additionally, it is ranked 4th in India for management research according to the UT Dallas methodology. With its consistent global rankings and research excellence, IIM Udaipur continues to set new standards for what a modern management institute should be on the global stage.



WHY THIS PROGRAM?



Dual Tech & Business Credibility:

Learn from IIIT-Bangalore & IIM Udaipur, blending strategy with tech expertise.



End-to-End AI Product Creation:

Conceive, design, and develop an AI product/service up to ready-to-code stage with mentorship from IIIT-B experts and immersion at Microsoft.



Boardroom & Crisis Simulations:

Make decisions under pressure through intense boardroom simulation.



AI-Centric Curriculum:

Develop expertise in AI strategy, architecture, MLOps, and AI economics.



Expand Executive Network:

Build connections with senior leaders and industry experts for long-term growth.



Discover Your Strengths:

Engage in a facilitated briefing and debriefing on the Clifton Strengths assessment. Discover your unique strengths and learn how to apply them effectively in both personal and professional contexts.

LEARN FROM THE BEST

Kunal Kamal Kumar
Program Director, IIMU



Kunal Kamal Kumar blends academic rigour with real-world experience, providing expert insights into leadership and organisational dynamics. Known for his dynamic facilitation and mastery of adult learning methodologies, he consistently earns high ratings from students. His accolades, including 'Professor of the Year' from InsideIIM.com, are a testament to his commitment to impactful, practical learning. Kunal's teaching excellence has helped learners develop strong leadership and communication skills.

Chandrashekar Ramanathan
Professor & Dean (Academics), IIIT-Bangalore



Prof. Chandrashekar has been a faculty member at IIIT-B since 2007, serving as a professor, researcher and administrator. With over 25 years of experience in computing, he holds a Ph.D. in Computer Science from Mississippi State University and an MCA in Computer Applications from the University of Hyderabad. His extensive academic and industry experience enables him to offer unique insights into computing and technology leadership.

Dr. Sridhar Pappu
Partner, TekFrameworks

Dr. Sridhar Pappu brings over 24 years of experience turning complex data into strategic advantage. With a Ph.D. from The University of Texas at El Paso and a B.E. from NIT Tiruchirappalli, he blends rigorous academic foundations with real-world expertise. His mastery spans Statistics and Probability for Data Science, Machine Learning, and advanced Data Visualisation.



Dr. G. Srinivasaraghavan
Professor, IIT-Bangalore



Dr. G. Srinivasaraghavan, a Partner at Performance Engineering Associates, holds a PhD in Computer Science from IIT Kanpur. With 18+ years of experience, he has led high-performance IT systems at Infosys and served as CTO at Aztecsoft (now Mindtree). Dr. Srinivasaraghavan has published over a dozen papers in reputed journals and is an expert in performance-critical systems and quality assessment.

Dr. Dakshinamurthy V Kolluru
Managing Director, TekFrameworks

Dr. Kolluru earned his B.E. from NIT Trichy and went on to complete his M.S. and Ph.D. at Carnegie Mellon University. With over two decades of experience, he brings a wealth of knowledge in technology and business. He was honoured with the Binani Gold Medal for ranking among India's 10 most prominent analytics academicians. His expertise includes Machine Learning, Deep Learning, and Artificial Neural Networks. Dr. Kolluru's research spans areas such as Optimisation, Text Mining, and Mathematical Algorithms.



Dr. V. Sridhar
Professor, IIIT-Bangalore



Dr. V. Sridhar is a Professor at the Centre for IT and Public Policy, IIIT-Bangalore, and a leading authority on telecom and ICT regulation. He has authored four books and over 300 articles on telecom policy, technology, and spectrum management. His upcoming book, *5G and Beyond: Rewiring Telecom Regulation*, will be published by Oxford University Press. Dr. Sridhar has taught at institutions across the USA, Finland, New Zealand, and India, and was a Visiting Scholar at USC. He has served on Government of India committees, led funded research projects, and frequently contributes insights to global policy discussions.

Shankar Prakash
Adjunct Faculty, IIMU

Shankar has completed his Post Graduate Programme (PGP) in Management from the Indian School of Business, Hyderabad. He previously led global strategy and planning for IBM's Application Services business and has worked with leading firms like EY. As an Adjunct Professor at IIM Udaipur, he combines his expertise in business strategy, analytics, and operations to equip managers with the tools they need for leadership in the digital era.

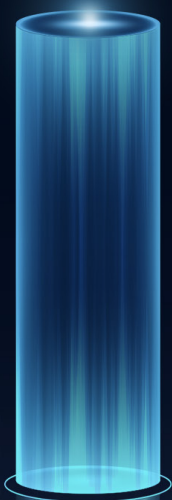


THE FOUR PILLARS

At the heart of the CTAIO curriculum lies a framework designed to equip professionals with the skills and mindset to thrive in a rapidly evolving world. Together they provide a balanced foundation that combines technical skills, strategic insight, innovation, and human leadership.

CORE CURRICULUM

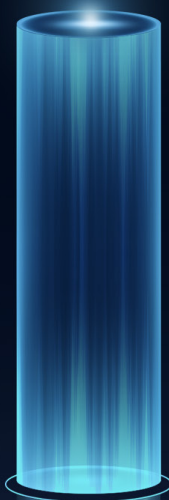
TECH
(IIIT-B)



Harness digital technologies to drive disruptive growth and scalable, agile operations.



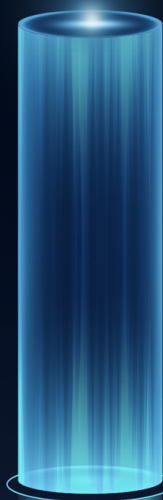
AI
(IIIT-B)



Strategise, implement, and govern AI for lasting impact and ethical, high-performing outcomes.



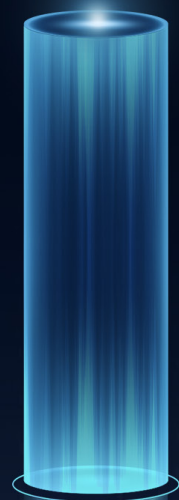
STRATEGY
(IIMU)



Gain competitive advantage with digital strategies, scalable models, and boardroom alignment.



PEOPLE
(IIMU)



Build agile, inclusive organisations and high-performing teams aligned with enterprise goals.



CURRICULUM

Master the intersection of business, technology, and AI, delivered in phases by IIIT-B and IIMU.

Technology Leadership

Executive Technology Leadership

Elevate to C-suite leadership. Master strategic communication to influence key stakeholders and boards, positioning technology as a central driver of business growth and innovation.

- Drive Boardroom Technology Agendas
- Influence C-Suite Investment
- Master Crisis Communication
- Steer Strategic Tech Governance

Strategic Financial Management in Technology

Manage technology as a P&L. Learn to align tech investments with business outcomes, master financial governance, and build transparent budgets that drive enterprise value.

- Maximise Tech ROI
- Justify Budget & Investment
- Master Financial Governance
- Align Tech Spend to Business Value

Modern Enterprise Architecture

Design agile and scalable architectures for the digital age. Learn to develop technology roadmaps that Optimise platforms, modernise legacy systems, and enable agility.

- Architect for Scale & Agility
- Design Cloud-Native Solutions
- Craft Platform Roadmaps
- Modernise Legacy Systems

High-Velocity Platform Engineering

Build and scale high-performance platforms. Master CI/CD, DevOps, and automation to drive development velocity and enable continuous delivery at an enterprise level.

- Build High-Velocity Platforms
- Lead CI/CD and DevOps Culture
- Automate for Continuous Delivery
- Engineer for Performance at Scale

Systemic Resilience & Security Engineering

Build robust and secure systems. Master cyber-resilience frameworks, risk management, and security protocols to protect enterprise assets and ensure business continuity.

- Engineer Cyber-Resilience
- Proactively Manage Tech Risk
- Develop Threat Models
- Ensure Business Continuity

Data Strategy & Governance for AI

Develop a data strategy that fuels AI. Master data governance, data pipelining, and readiness frameworks to build a solid, ethical foundation for enterprise-wide AI adoption.

- Fuel AI with Actionable Data
- Implement AI Data Governance
- Master Data Pipelining
- Build an Ethical Data Foundation

AI Leadership

AI Strategy & Foundations

Master the strategic foundations of AI adoption. You will learn to build compelling business cases and establish the data infrastructure required to scale AI across your enterprise.

- Craft Enterprise AI Strategy
- Build AI Business Cases
- Design Foundational Data Infrastructure
- Scale AI Across the Organisation

Systems & Operations

Lead the operationalisation of AI. This module focuses on integrating AI models into existing systems and using AIOps to achieve high velocity, performance, and operational excellence.

- Integrate AI Models into Systems
- Master MLOps & CI/CD Pipelines
- Implement AIOps for Operations
- Engineer for High-Velocity Performance

Governance, Talent & Future

Navigate the human and ethical aspects of AI. Learn to establish robust governance frameworks, manage AI talent, and anticipate future trends to sustain a competitive edge.

- Develop AI Governance Frameworks
- Manage AI Talent & Capabilities
- Apply Ethical AI in Practice
- Anticipate AI's Future Trajectory

Strategic Leadership

Leading with Digital Advantage

Learn to leverage digital technologies to gain a decisive competitive edge. Master strategies for market disruption and build models for sustainable growth and innovation.

- Develop a Disruptive Digital Strategy
- Build Your Digital Moat
- Shape New Markets
- Architect Sustainable Growth

Operating Models that Scale

Design high-impact operating models that enable exponential scale and agility. Learn to build organisational structures that drive efficiency and sustainable growth.

- Design Scalable Operating Models
- Build an Agile Org Design
- Engineer for Exponential Scale
- Drive Business Agility

Building Boardroom Consensus on Digital Bets

Master the art of presenting digital strategies to the board. Build consensus and secure investment by justifying ROI and demonstrating clear risk governance.

- Secure Boardroom Buy-in
- Justify ROI and Value
- Master Risk Governance
- Champion Digital Investments

People-Centric Leadership

Enterprise Strategy & Influence

Learn to influence boards and senior leaders, positioning technology as a central driver of business growth. Master crisis communication and strategic governance essentials.

- Drive Strategic Influence
- Master Board Governance
- Command Crisis Communication
- Lead Enterprise Value Creation

Designing & Leading Organisations

Architect world-class engineering teams that are both agile and scalable. Learn to lead cultural transformation and align organisational design with enterprise goals.

- Design Agile Org Models
- Champion Agility at Scale
- Drive Cultural Transformation
- Diagnose Org Health

Leading People & Performance at Scale

Build inclusive, resilient, and high-performing global teams. Learn to align talent and performance systems with enterprise priorities using modern frameworks.

- Lead Inclusive Global Teams
- Align Talent to Strategy
- Optimise Performance with OKRs
- Boost Developer Productivity

WHERE KNOWLEDGE MEETS PRACTICE

Master the intersection of business, technology, and AI, delivered in phases by IIIT-B and IIM-U.

1-Day Microsoft Immersion

Experience a one-day immersion at Microsoft's campus, where strategy and innovation converge. Engage in a fireside chat with Microsoft leaders and gain valuable insights into navigating the tech leadership landscape. Delve into AI and analytics as Microsoft's experts walk you through high-impact projects, showing how these technologies are reshaping businesses. The immersion concludes with a tour of the Innovation Hub, where you'll experience firsthand how Microsoft's partners are implementing next-gen solutions that are transforming industries.



2-Day AI Success Planning Workshop at IIIT-Bangalore

Solve real-world business challenges with AI, in a workshop led by Dr. Dakshinamurthy V. Kolluru and Dr. Sridhar Pappu. Powered by the DARWIN framework, this immersive workshop guides learners through planning, prototyping, and productising AI solutions. Learn to integrate AI into workflows, drive efficiency, and solve complex challenges, all while collaborating across functions.

What You'll Learn

Define business- aligned AI problems

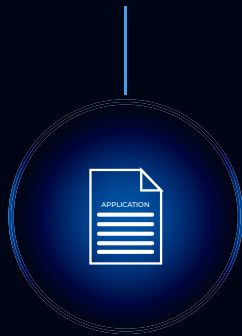
Rapidly prototype using GenAI

Engineer responsible AI with minimal bias

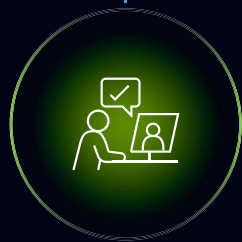
Integrate AI into workflows with measurable metrics

Choose the right infrastructure for
AI experimentation and production

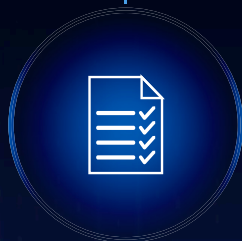
BEGIN YOUR JOURNEY IN 4 EASY STEPS



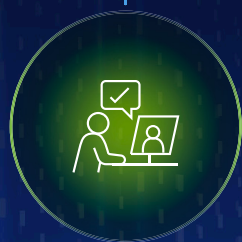
Step 1 – Submit your application



Step 2 – Get shortlisted



Step 3 – Receive offer



Step 4 – Block your seat

Eligibility Criteria

Minimum of 10 years of industry experience

Technology Service Partner

upGrad

🔍 upgrad.com

For further details, **contact**



admissions@upgrad.com



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LET'S TALK