Toward

AITSPIN

The AIT School of Professional Intelligence

A New Chapter Begins Here

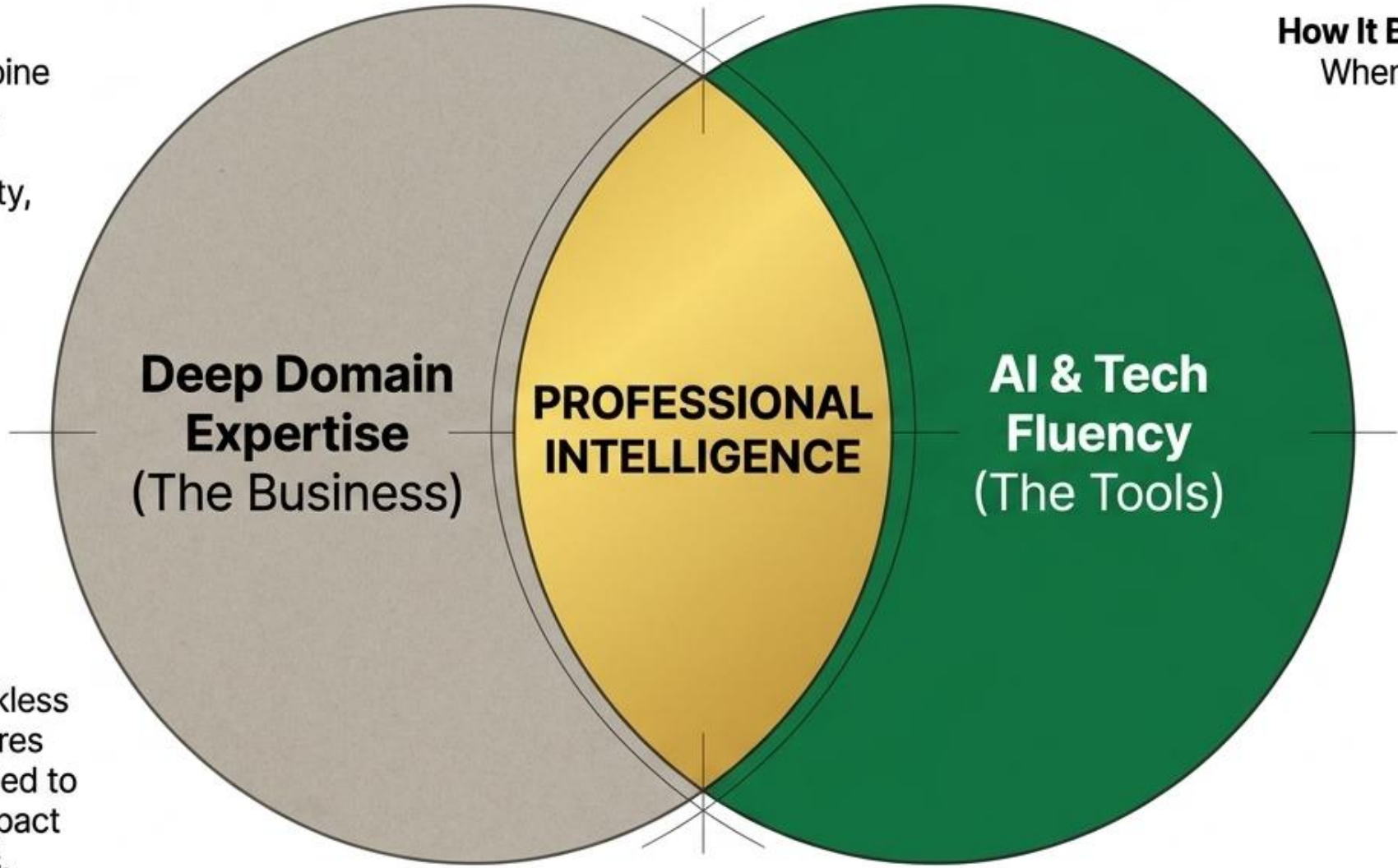
Professional Intelligence

Professional Intelligence is the ability of professionals to combine domain expertise, human judgment, ethical responsibility, innovation, and AI fluency in order to remain effective, adaptable, and valuable in a rapidly changing world.

Professional Intelligence Is Your Ultimate Strategic Asset

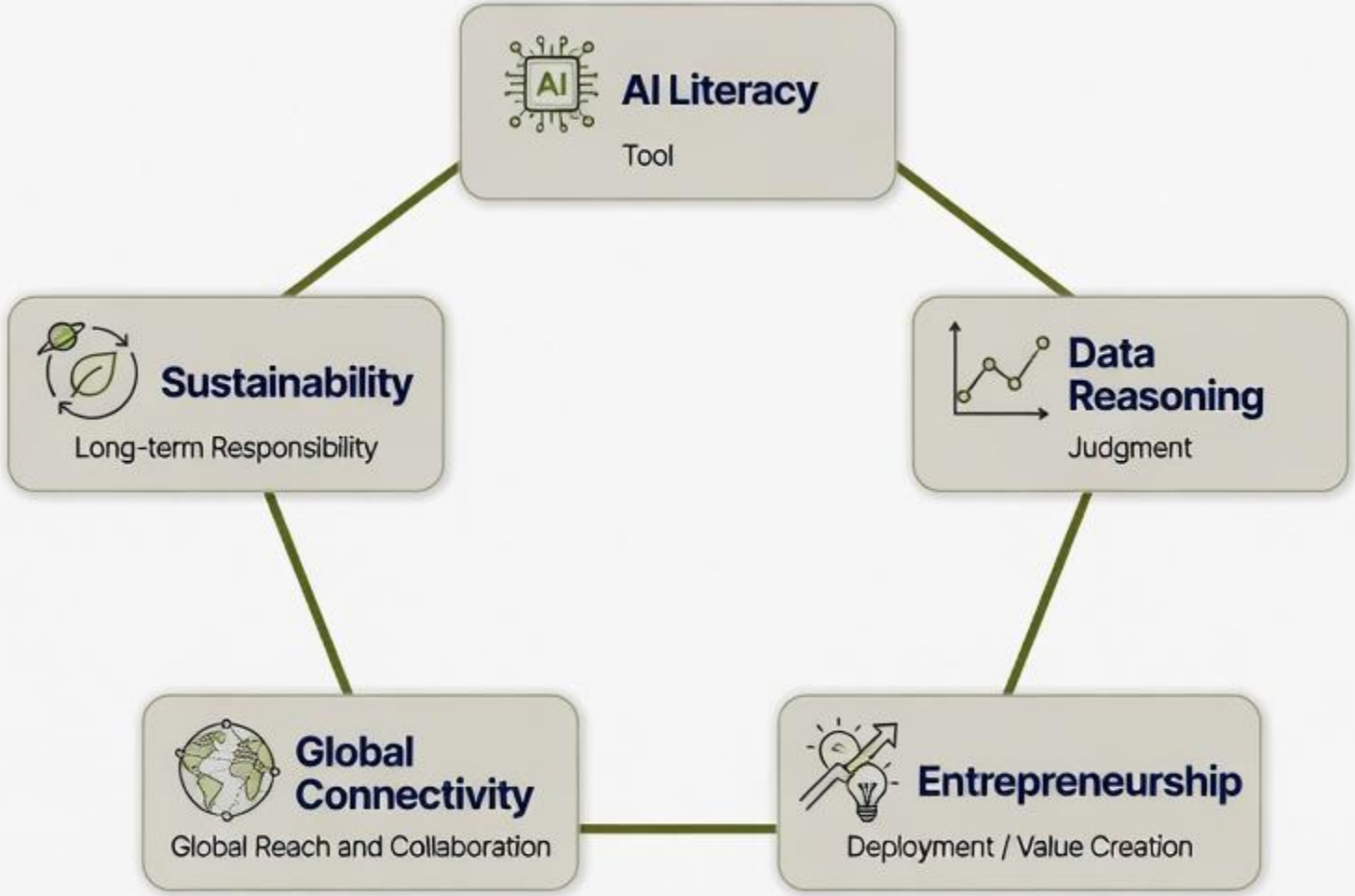
What It Is:
The ability to combine industry expertise, human judgment, ethical responsibility, innovation, and AI fluency.

How It Becomes an Asset:
When trained staff apply this intelligence directly to redesign workflows, launch new products, and optimize margins.



Why It Matters:
It prevents the reckless use of AI and ensures technology is applied to solve real, high-impact business problems.

The Result:
Your employees become the architects of your company's future.



The AITSPIN Resilience Pentagon

Five Foundations of Professional Intelligence

AIT Shared Classroom HyFlex vs Typical Self-Paced Online Learning

A comparison of learning experience, academic presence, and educational philosophy

Typical self-paced online program	AIT Shared Classroom HyFlex Model
Passive content delivery Mostly videos and readings with limited interaction.	**Active learning with real people** Live discussions, group work, and faculty engagement.
Isolated learning Little to no peer connection or community.	**Learning community** Study alongside peers across countries and cultures.

No real-time structure Learn alone, on your own schedule.	**Structured live sessions** Weekly live classes create rhythm and accountability.
One-way information Content transmitted, not co-created.	**Two-way engagement** Ask questions, share ideas, and learn together.
Completion-focused Designed to get through the content.	**Growth-oriented** Designed to build skills, mindset, and purpose.
Disconnected from AIT Feels like any other online course.	**Connected to AIT** You are part of the AIT academic family.

4.3 Affordability by Design

The model is intentionally designed to make high-quality postgraduate study more accessible. Tuition is expected to remain at a level materially below conventional residential programs. Equally important, learners pay only for the credits they actually enroll in and may spread that commitment over time.

Indicative tuition component	Illustrative amount
One-time registration fee	USD 1,800
Credit-based tuition (36 credits x USD 200)	USD 7,200
Graduation fee	USD 1,000
Indicative total	USD 10,000

Build Your AI-Ready Future Today

[Contact AITSPIN / Scan to Learn More]

QR Code Placeholder

AI may transform industries, but professionally intelligent people will transform companies.

Sponsorship Is R&D, Not Just an HR Perk

Internal AI Champions

Build in-house capability rather than relying on expensive, temporary external consultants.

Immediate Productivity

Staff apply what they learn on Monday directly to their work on Tuesday.

Innovation Culture

Sponsored staff naturally upskill their peers, creating an organic ripple effect.

Top Talent Retention

High-performers stay with companies that actively invest in their future and leadership potential.

Practical Business ROI

Coursework and projects solve real, costly company problems.

Lower Risk

Transforming a loyal employee who already understands the business is safer than hiring an unproven external expert.

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CURRICULUM & PEDAGOGY

DEGREE TITLE

Master of Science / Master of Engineering (Professional) in Professional Intelligence

CURRICULUM STRUCTURE

Component	Credit Requirement
A. Core Competence Courses	12–18 (minimum 12)
B. Specialization Courses (Buffet)	12–18 (minimum 12)
C. Capstone	6 credits
Total	**36 credits**

A. CORE COMPETENCE COURSES

Core Competence Courses (12–18 credits) are organized into:

CORE REQUIRED IN AI & DATA SCIENCE	9 CREDITS
• AI 101: AI Technical Essentials for Professionals	
• AI 102: Generative and Agentic AI for Productivity and Innovation	
• AI 103: Applied AI, Ethics, Risk, and Governance	
CORE ELECTIVES	**3-9 CREDITS**
in **DESIGN THINKING & INNOVATION**	(2 courses)
in **BUSINESS MANAGEMENT, FINANCE & VENTURE CREATION**	(2 courses)
in **SUSTAINABILITY, GLOBAL CITIZENSHIP & LEADERSHIP**	(2 courses)

A. CORE COMPETENCE COURSES

AI 101: AI Technical Essentials for Professionals

Builds practical AI literacy for non-specialists by explaining how modern AI systems are designed, evaluated, and deployed in real organizational contexts. Students develop a working understanding of core concepts (data quality, model training versus inference, evaluation metrics, overfitting, drift, and foundational deep-learning and LLM intuition) without relying on advanced mathematics. Emphasis is placed on interpreting AI outputs responsibly, communicating effectively with technical teams, and translating organizational needs into a concise AI project brief that defines objectives, data requirements, risks, and success criteria.

A. CORE COMPETENCE COURSES

AI 102: Generative and Agentic AI for Productivity and Innovation

Develops hands-on capability in using generative and agentic AI to improve professional productivity, creativity, and innovation. Students learn to design structured prompting and workflow strategies; use AI for writing, analysis, research, coding assistance, and multimodal tasks; and build agentic workflows that combine models, tools, and human oversight. Emphasis is on output evaluation, verification, responsible use, and identifying where AI can meaningfully augment organizational processes, decision-making, and new solution development.

A. CORE COMPETENCE COURSES

AI 103: Applied AI, Ethics, Risk, and Governance

Focuses on identifying, evaluating, and deploying high-value AI use cases responsibly in organizational settings. Students learn to prioritize opportunities, assess technical, legal, operational, and reputational risks, design human-in-the-loop processes and control points, and apply ethics, regulation, and governance frameworks across the AI lifecycle. The course includes a seminar series on the latest trends and advances in AI applications, exposing students to emerging tools, sectoral case studies, and evolving policy, risk, and governance issues.

B. SPECIALIZATION COURSES (BUFFET)

Students select Specialization Courses from the thematic areas below to support professional growth and development, under the guidance of academic advisors:

I. Climate Change and Sustainability *Climate modeling, mitigation, adaptation, and resilience with AI integration*
• AI for Climate Risk, Adaptation, and Resilience • Climate Data, Forecasting, and Decision Intelligence • Carbon Intelligence: AI for Mitigation and Net Zero • AI for Energy Systems and Decarbonization • AI for Smart Cities and Urban Systems • Geospatial AI for Sustainability

** Initial course concepts only — Detailed course design, titles, content, and syllabi will be developed in consultation with experts in the respective specialization areas.

B. SPECIALIZATION COURSES (BUFFET)

(cont.)

II. Food, Agriculture and Natural Resources *Food, agriculture, and natural resource systems with AI integration*
• Precision Agriculture and AI • AI for Food Systems and Supply Chain Resilience • Remote Sensing and Geospatial AI for Agriculture • AI for Water, Soil, and Natural Resource Management • Climate-Smart Agriculture with AI • Digital Twins for Agriculture and Natural Resources

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B. SPECIALIZATION COURSES (BUFFET)

(cont.)

III. Infrastructure, Civil and Environmental Engineering *Transportation systems, infrastructure resilience, and digital twins with AI integration*
• Engineering Data Systems & Digital Workflows • Geospatial AI for Infrastructure • Machine Learning for Engineering Prediction • AI in Water / Geotechnical / Structural Engineering / Water, Waste, and Environmental Systems • AI for Construction, Asset Management, and Predictive Maintenance • Digital Twins for Infrastructure Planning and Operations • AI for Transportation Systems and Mobility Planning

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B. SPECIALIZATION COURSES (BUFFET)

(cont.)

IV. Technology & Innovation *Emerging digital platforms, data systems, and frontier technologies leveraging AI*
• AI Product Management and Innovation Strategy • Intelligent Platforms and AI-Enabled Services • AI, Data Platforms, and Modern Information Systems • Applied Multimodal AI and Automation • Edge AI, IoT, and Cyber-Physical Systems • Frontier Technologies: AI, Robotics, and Autonomous Systems

** Initial course concepts only — Detailed course design, titles, content, and syllabi will be developed in consultation with experts in the respective specialization areas.

B. SPECIALIZATION COURSES (BUFFET)

(cont.)

V. Business & Entrepreneurship *Business analytics, finance, operations, and entrepreneurship with AI integration*
• AI for Business Analytics and Decision Intelligence • AI in Finance, Risk, and Fintech • AI for Operations, Supply Chains, and Process Excellence • AI-Driven Marketing and Customer Intelligence • Entrepreneurship in the Age of AI • Building and Scaling AI Ventures

** Initial course concepts only — Detailed course design, titles, content, and syllabi will be developed in consultation with experts in the respective specialization areas.

B. SPECIALIZATION COURSES (BUFFET)

(cont.)

VI. Public Policy & Sustainable Development *Public-sector innovation, regulation, and technology diplomacy with AI integration; AI's impact on Asian society, culture, economy, and regional development*
• AI for Public Sector Innovation and Service Delivery • AI Policy, Regulation, and Global Governance • Digital Government, Data Governance, and Public Trust • AI for Sustainable Development Planning • Technology Diplomacy and the Geopolitics of AI • AI and Society in Asia

** Initial course concepts only — Detailed course design, titles, content, and syllabi will be developed in consultation with experts in the respective specialization areas.

KEY COURSE DEVELOPMENT & DELIVERY

- AI Integration Requirement
- Aligned Learning Outcomes and Assessments
- Industry / Policy Relevant Use Cases
- Delivery Readiness (HyFlex/online/modular)
- Instructor & Material Readiness
- Quality & Workload Compliance
- Practical & Experiential Component
- Multidisciplinary Accessibility
- External Engagement Option

STUDY PERFORMANCE EVALUATION

Continuous Assessment:

Exercises, labs, case studies, short applied tasks, discussions

Project

Individual/Group project; Structured with clear rubrics and milestone checkpoints

Study Performance Evaluation

Midterm Assessment*

Test, case analysis, or practical assessment

Final Assessment*

Final Exam

*Optional

C. CAPSTONE PROJECT

The Capstone Project is a 6-credit applied project in which students identify a real-world professional problem, apply AI appropriately and responsibly, and develop an implementable solution, prototype, policy plan, or business concept for presentation to both technical and executive audiences.

Four Natural Extensions of AIT's Mission

In the AI Era, AIT's mission is not changing in purpose,
but widening in reach, audience, educational objective, and teaching network.

From

Bringing Students
to Thailand

To

**Bringing AIT
to Learners Everywhere**

From

Serving
Early-Career Learners

To

**Serving Professionals
Throughout Their Careers**

From

Education for
Lasting Knowledge

To

**Education for
Lifelong Learning**

From

Campus-Based Faculty

To

**A Global Network of
Faculty and Industry Experts**

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