






Analytics, Automation and AI

Analytics, Automation and Artificial Intelligence (A³)

Structured Query Language (SQL) and Not only Structured Query Language (NoSQL) relational databases, Apache Software Foundation's advances in distributed computing – all helped give rise to analytics for the mountains of information produced by Big Data from the early 1990s to the present day. The value offered by analytics: the ability to draw actionable insights. But not all systems are true to their promise. Chief among the issues that live on to this day to the frustration of government customers: analytics systems and tools that fail to provide new or timely insights; inaccurate findings; long systems response times; inadequate visualization essential to rapid understanding of key insights – and their relation to other findings.

Five Technology Focus Areas		
	Cognitive Cyber for Physical and Digital Platforms	Cognitive Cyber
	Mission & Enterprise Information Technology	M/EIT
	Analytics, Automation, and Artificial Intelligence	A ³
	Intelligent Systems Engineering	ISE
	Data at the Edge	D@E

ManTech's approach – Analytics, Automation and Artificial Intelligence (A³) – takes a better tack, bringing the human-centered design approach together with synergizing data ecosystems for customer centricity. We apply analytics to solve our customers' tough "needle in a haystack" problems. A³ enables the other TFAs by providing cognitive computing frameworks and capabilities that synergize innovation with deep analytical ingenuity. A³ is the pillar for leading edge capabilities across complex technologies needed to derive data insights and intelligence for our customers. A³ creates data-powered mesh networks that scale in support of our Defense, Intelligence and Federal Civilian customers.

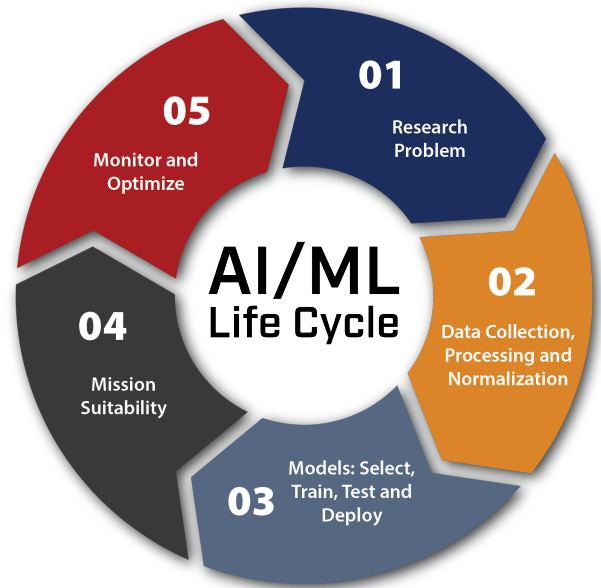


Any organization's ability to execute its mission depends on the quality and training of its people. The A³ TFA is working with various training-focused groups such as ManTech University (MTU) to ensure the training we provide our employees and customers is current and relevant. Content is curated under a Capability Academy. Through strategic partnerships with university and industry providers, such as Purdue University Global, MIT, Skillsoft, and more, ManTech offers multiple programs to build skills and capabilities in all development levels and at no out-of-pocket cost to employees. This **A³ Capability Academy** is a corporate investment in our employees' future and aligns directly to our culture of career enablement.

The premier capability of A³ is its ability to act as a Value Chain driver capturing, redistributing and creating value across customer segments in areas that matter most to mission objectives.

Key Capabilities:

- Data Integration
- Cloud-Agnostic Analytics Platform
- Deep Cognitive Computational Neuroscience (CCN)
- Cognitive Computing Frameworks (CCFs)
- Deep Learning and Deep Neural Networks
- Computer Vision
- Hyperscale Analytics



A³: Analytics, Automation and AI

Driving actionable intelligence with analytics that match the mission in:

- Geospatial
- Healthcare
- Border Protection
- Cyber
- Artificial Intelligence Operations (AIOps)
- Space



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