Vision
To accelerate and embrace Digital and Automation Technologies within the Healthcare business unit to deliver solutions at scale, through focused learning and development initiatives, collaboration with CoEs and a robust partnership ecosystem, and serve as a trusted technology partner in our customers’ journey towards “Being digital”.

Key Competencies
The HCTO carries the core competencies required to craft solutions and deliver Legacy Modernization and IT Transformation initiatives, including reverse engineering capabilities, and enabling a modularized architecture through micro services and APIs to realize nimble, scalable and easily maintainable IT systems for supporting the business priorities. To this end, it gleans a wealth of expertise from various CoEs within Cognizant with expertise in current technologies such as Cloud computing, Mobility, Big Data and Predictive Analytics, AI, ML, IoT, Blockchain, etc., to deliver Digital solutions at scale. In summary, applying current technologies to our customers’ business context is a key value add from the Healthcare Technology Office.

Renovation & Modernization
- Tech Debt reduction
- Data Access Layer strategy
- Legacy Componentization & Modernization
- Rules & Data Externalization
- Bottom-up based Service design & Service enablement on Legacy

IT Strategic Transformation
- Integration platform (ESB) and Micro Services Architecture (MSA), API Strategy
- Single Page Architecture (SPA)
- Externalizing workflow and business rules
- Robotic and Cognitive Automation
- SOA & Enterprise IT Governance
- Low cost software & Open Source

Business Strategic Transformation
- Distributed Cloud model and Business capabilities as a Service, Cloud migration
- IT App Dev & Tech Transformation for BPaaS, M&A
- Portfolio/App Inventory Analysis, Rationalization & Transformation
- Heat map and Top-down Business Service design for Digital enablement
- Addressing non-functional requirements around performance, security, instrumentation, accessibility, scalability, etc.
The HCTO evangelizes a pragmatic approach to deliver business value to its customers through a comprehensive set of offerings that are tuned to the constantly evolving Digital ecosystem in Healthcare.

As depicted in the visuals below, an enterprise can benefit from one or more of the broader capabilities of the Healthcare Technology office listed below, based on the current maturity level of the enterprise:

- **Strategy & Assessment** – This capability focuses on evaluation of the current landscape and builds a heat-map to identify strengths and opportunities for improvement to aid in roadmap definition for a Digital enterprise. This includes platform assessment for a given business need based on Architectural fitness, Operational fitness & Financial fitness and making recommendations based on best fit solution.

- **Enterprise Transformation** – Based on the modernization plan, transformation journey kicks start here, from legacy to target modernized landscape adopting the modern digital technology elements appropriately.

- **Portfolio Maturity & Application** – This capability ensures a holistic assessment of the portfolio and ensures adoption of best practices driven engineering principles in the end to end development lifecycle.

- **Enterprise Architecture** – Beyond transformation, this service helps setting up an EA governance to ensure adoption of appropriate EA principles in an enterprise.

- Modernization of Legacy Platforms
- Digital IT Transformation enabling Mobile, Cloud, IOT
- SOA/API Transformation

- Application Assessment & Target state Roadmap definition
- Enterprise Cloud Strategy & Readiness Assessment
- Enterprise Mobile Strategy & Readiness Assessment
- Enterprise BPaaS, SaaS – Assessment & Strategy
- Platform Assessment & Technology Products Comparative Analysis

- Application Portfolio Management
- Architecture, Design, Code Reviews
- Application Performance Analysis
- Tech Debt Reduction
- SDLC Tools Automation for Enterprise Applications & Platform

- Enterprise Architecture-Strategy & Assessment, Blueprinting
- Define/Implement Governance Structure, EA Council, EA Managed Services, Policies and Procedures
Another key focus area of the HCTO includes automation across the functional disciplines, spanning Business Processes, Application Services, Infrastructure Services, Coding and Testing and finally, DevOps automation. Automation initiatives are broadly oriented towards improving the efficiency, consistency and quality across the functional disciplines, and help free up an organization’s human capital through an enterprise wide, holistic automation approach. We help accelerate our customers’ automation journey through a combination of robotic process automation and cognitive automation capabilities, while leveraging our strong healthcare domain knowledge and a robust partnership ecosystem with leading tool vendors.