

## What is the Custom Applications Practice at InfoTech?

Our Custom Applications practice provides a systematic methodology of application development tailored to our clients' needs. It is at the heart of the InfoTech organization and continuously pumps new blood into our various business practices. We specialize in developing custom products for our clients, as well as proprietary products offered on a SaaS (Software as a Service) basis, such as our Research Publishing Automation System. The success of those products has allowed InfoTech to transform them into their own business practices.

## How does InfoTech Practice Custom Applications Development?

Our application development process follows industry standards and best practices throughout the entire lifecycle of all our projects. This process includes:

- **Requirements Gathering** – A thorough process of identifying, structuring, and documenting our clients' needs.
- **System Analysis & Design** – The process of translating client needs identified during the requirements gathering process into a formal system design document. This document represents the “blueprint” for the application development phase.
- **Software Application Development** – The process of implementing the product based on identified requirements and system design. This phase is incremental and provides our clients the ability to evaluate and provide feedback along the way, from the beginning to final product release approval.

## Custom Applications Main Activities & Methodology

All activities pertaining to our Custom Applications practice are executed within the guidelines of a well defined, yet flexible, Software Development Lifecycle (SDLC) process.

The main activities performed during the SDLC of a project are:

- **Scoping and Initial Planning:** Identifying the boundaries and characteristics of the project and recommending an approach (e.g. agile, structured, prototype).
- **Survey and Analysis:** Gathering, documenting and analyzing project requirements in collaboration with stakeholders.
- **System Design:** Designing the technical solution to implement project requirements.
- **System Development:** Implementing requirements based on the technical design.
- **Verification Testing:** Verifying that the system was built correctly, in accordance with technical specifications and required engineering standards.
- **Validation Testing:** Verifying that the appropriate system was built, in accordance with client specifications.

