



# Software Engineering & Research Center (SETREC)



## CubeSquare Technologies Pvt. Ltd.

Delivering Exponential Value...

- Software Services & Products
- Business & Technology Consulting
- Business Process Outsourcing
- IT Education & Training



*Center of Excellence*



## Table of Contents

About Us	3
CST Center of Excellence	4
Microsoft Center of Excellence	5
Java Center of Excellence	7
Oracle Center of Excellence	9
SAP Center of Excellence	14
Service Offerings	16
CST Technology Practice	20
CST Delivery Model & Practice	21
Engagement Models	22
Contact Us	23





## About Us

CubeSquare Technologies (CST) is a fast paced growing IT Organization with a vision to “**deliver exponential value**” to its clients, affiliates and partners across the globe. The primary objective of CST is to delight its clients by delivering best-in-class business & IT consultancy, providing high end state of the art innovative IT solutions and services and this will enable our client to achieve success in business and thus we can establish a never ending business relationship as its IT strategy partner.

CST is driven by highly experienced core management team with “*Holistic Strategic Model*”. CST is having state of the art infrastructure set up to adhere “*Business Continuity*”.

CST provides services in the areas of high-end software consulting, application outsourcing and product development. At the core of CST is a strong management team with over 1000 man months of experience in some of the best organizations of the world and a proven track record of delivering some of the most complex programs and development & testing of market leading products. With sound domain knowledge across various industry verticals combined with out of the box thinking, we keep on delivering value to our customers through our pioneering software solutions and best of the industry practices and processes. Our role varies from one-source solution vendor to an extended development partner to a key on-site development group.

CST is a privately owned company with well established office in India at Noida and Janakpuri (New Delhi). Our sales arm is located in Philadelphia, USA.

Since our inception with a strong team having vast experience in application and product development, we aim to grow steadily into a reputed provider of high-quality and cost-effective software development services. We are devoted to provide robust, lucrative and long term services, enabling our customers to get high returns on their IT investments coupled with corporate authority designed for greater agility and market focus in this globally competitive environment.





## CST Center of Excellence

CST Center of Excellence has been established as part of the corporate strategic direction of 'Building World Class Technology Enterprise'. It is consisting of a high end research and innovation facility. CST CoE assists in building world class **Software Engineering & Technology Research Center (CST-SETREC)**.

SETREC primarily consists of technology and domain-focused team with an objective of driving innovation across trends identified by the company to transform the businesses of our clients globally. The primary goal of SETREC incumbent is to transform the future with digital innovation for the strategic growth of clients and stakeholders. SETREC focuses on setting up joint innovation centers and developing solutions for complex business problems.

SETREC has also defined a unique delivery model that helps the organization to provide state of the art business solution & client satisfaction.

In order to provide our clients with maximum business value, CST-SETREC has a dedicated Center of Excellence (CoE) that aims at building solutions using existing and emerging technologies and standards. The CoE comprises technical and functional teams with core technology and domain expertise in .Net technologies and business functions.

We are focused on executing Business Process Integration (BPI) engagements on **Microsoft, Java, Oracle, and SAP** technologies, which allow global corporations to seamlessly connect their information systems, people, and processes. Our integrated, secure, interoperable, and modularized solutions have helped customers attain more efficient and agile business processes, while reducing their operational costs and process complexity.

Skilled and experienced consultants, architects, program managers, software developers, and testing engineers form a crucial part of CoE. Our resources are well equipped to function independently and can also fit into any world-class team and deliver business value, irrespective of the technical complexity. All these factors enable us to add value to all our engagements and pass on maximum benefits to our clients.

We offer the following services as a part of our product development competency:

- New development - architecting, design and coding
- Verification & validation - quality assurance, interoperability & performance testing
- Maintenance - support, fix management, and enhancements

## Microsoft Center of Excellence

### .NET Custom Development

CST is one of the leading providers of Microsoft .NET solutions in the form of both custom applications and software products.

We build world-class solutions on time and within budget, across .NET tools, technologies, and servers thus creating and sustaining value for our clients. CST's iterative approach reduces time-to-market significantly while our processes allow customers to enjoy the benefits of pre-fabricated common code modules.

We employ both agile development processes and traditional methods of software development. We follow either the XP or Scrum processes as a part of the agile development model. On the traditional side, we use both an Iterative Waterfall as well as Rational Unified Process (RUP) methods.

Our software teams are also open at adapting to the client methods and standards in case a customer prefers a different approach from the above. In either case, we follow clearly defined phases, activities, and deliverables to ensure error-free and smooth development cycles.

#### Our wide spectrum of services includes:

- Windows Desktop Application Development
- Web Application Development
- Legacy to Web
- Re-engineering existing business applications
- Enterprise Application Integration
- Platform Development (.NET)
- Content management
- Maintenance





- Maintain existing applications
- Production support
- Adaptive and preventive maintenance
- 24X7 technical support
- Performance Analysis and Fine Tuning

## Testing Services

CST has a rich and deep-rooted experience in product development and its testing services.

### Our testing services include:

- End-to-End testing
  - ✓ Test Requirement Analysis, Planning etc.
  - ✓ Functional, Integration, System Testing and User acceptance Testing
  - ✓ Regression Testing
  - ✓ White-box Testing – APIs, Unit Testing
- Automated Testing
  - ✓ Evolve automation strategies
  - ✓ Tool-based testing of functionality, performance, etc.
  - ✓ "Class sub-item" Script optimization
- Interoperability testing
  - ✓ Compatibility Testing
  - ✓ Multiple combinations of H/W, S/W, DB, AppServers, etc
  - ✓ Economy of scale
  - ✓ One-stop solution for product testing

## Java Center of Excellence

CST is one of the leading providers of Java solutions in the form of both custom applications and software products.

We build world-class solutions on time and within budget, across Java tools, technologies, and servers thus creating and sustaining value for our clients. CST's iterative approach reduces time-to-market significantly while our processes allow customers to enjoy the benefits of pre-fabricated common code modules.



We employ both agile development processes and traditional methods of software development. At the same time we are open at adapting to the client methods and standards in case a customer prefers a different approach from the above. In either case, we follow clearly defined phases, activities, and deliverables to ensure error-free and smooth development cycles.

### Our wide spectrum of services includes:

- Windows Desktop Application Development
- Web Application Development
- Legacy to Web
- Re-engineering existing business applications
- Enterprise Application Integration
- Platform Development (Java/J2EE)
- Content management
- Maintenance
- Maintain existing applications
- Production support
- Adaptive and preventive maintenance
- 24X7 technical support
- Performance Analysis and Fine Tuning

### Our testing services include:



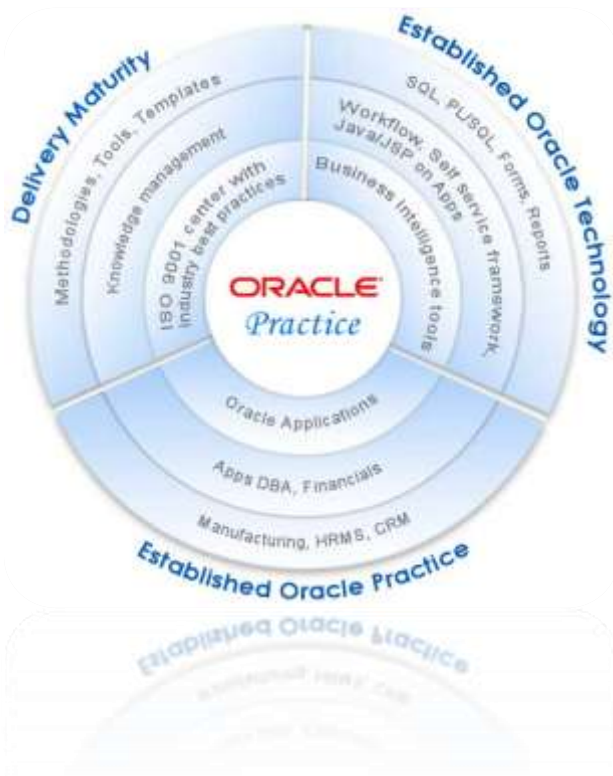
- End-to-End testing
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  - ✓ Compatibility Testing
  - ✓ Multiple combinations of H/W, S/W, DB, AppServers, etc
  - ✓ Economy of scale
  - ✓ One-stop solution for product testing

## Oracle Center of Excellence

CST Oracle CoE provides a dedicated and focused team, possessing a strong set of skills across Oracle Applications, and oracle suite of products. The team has an unmatched track record of providing a varied portfolio of services across a number of industry verticals. Delivering a large number of these successful engagements has enabled the team to develop a repository of best practices and methodologies for the perusal in future engagements. You may definitely bank on the Oracle ERP team at CST to provide you with a solution tailored to your business needs.

### Oracle Application Center of Excellence

CST's Oracle Applications Center of Excellence can be your IT solution partner for the complete lifecycle of your Oracle Applications roll out. Our Oracle Apps Consultants today provide end-to-end world class services under the given budget. Your organization can leverage the full benefit of your investment in Oracle through the expertise of our seasoned professionals having an optimum competency profile. This team understands the issues surrounding Oracle Applications and is adept at working with customer to ensure smooth transition and address all you issues. CST's is committed to deliver exponential value to its clients.



The Oracle Applications Practice has developed strong expertise in the Oracle Applications eBusiness suite with core experience in Financials, Distribution, HRMS, CRM and Manufacturing modules.



**ORACLE Development Tools**

- Oracle JDeveloper
- Oracle Forms
- Oracle Designer
- Developer
- Oracle Reports Developer & Discoverer
- Oracle Warehouse Builders
- Oracle Business Intelligence Beans
- Oracle XML Publisher

Application Administration	Integration	Marketing and Sales	Order Management
<ul style="list-style-type: none"> <li>▪ i Setups</li> <li>▪ Alerts</li> <li>▪ Trading Community Architecture</li> </ul>	<ul style="list-style-type: none"> <li>▪ e-commerce gateway</li> <li>▪ Workflow</li> <li>▪ XML gateway</li> <li>▪ Report Manager</li> <li>▪ Web Applications Desktop Integrator</li> </ul>	<ul style="list-style-type: none"> <li>▪ Marketing</li> <li>▪ Trade Management</li> <li>▪ TeleSales</li> <li>▪ Field Sales</li> <li>▪ Sales for Handhelds</li> <li>▪ Partner Management</li> <li>▪ Proposals</li> <li>▪ Incentive Compensation</li> <li>▪ Price Protection</li> <li>▪ Contracts</li> <li>▪ Sales Contracts</li> <li>▪ Sales offline</li> <li>▪ Territory Manager</li> <li>▪ Web Analytics and Administration</li> </ul>	<ul style="list-style-type: none"> <li>▪ Sales Contracts</li> <li>▪ Configurator</li> <li>▪ iStore</li> <li>▪ Advanced Pricing</li> <li>▪ Release Management</li> </ul>
Logistics	Supply Chain Planning	Procurement	Manufacturing
<ul style="list-style-type: none"> <li>▪ Inventory Management</li> <li>▪ Transportation Management</li> <li>▪ Shipping</li> <li>▪ Warehouse</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Supply Chain Planning</li> <li>▪ Inventory Optimization</li> <li>▪ Global Order Promising</li> </ul>	<ul style="list-style-type: none"> <li>▪ Purchasing</li> <li>▪ Supplier Scheduling</li> <li>▪ iSupplier Portal</li> <li>▪ Procurement Contracts</li> <li>▪ Sourcing</li> <li>▪ iProcurement</li> </ul>	<ul style="list-style-type: none"> <li>▪ Work In Process</li> <li>▪ Bills Of Material</li> <li>▪ Engineering</li> <li>▪ Quality</li> <li>▪ Manufacturing Execution Systems</li> <li>▪ Manufacturing Operations</li> </ul>



<ul style="list-style-type: none"> <li>Management System</li> <li>▪ Mobile Supply Chain Applications</li> </ul>	<ul style="list-style-type: none"> <li>▪ Collaborative Planning</li> <li>▪ Demand Planning</li> <li>▪ Demantra Demand Management</li> <li>▪ Demantra Predictive Trade Planning</li> <li>▪ Demantra Deductions and Settlement Management</li> <li>▪ Demantra Sales and Operations Planning</li> <li>▪ Advanced Planning Command Center</li> <li>▪ Demand Signal Repository</li> <li>▪ Production Scheduling</li> <li>▪ Rapid Planning</li> <li>▪ Service Parts Planning</li> <li>▪ Strategic Network Optimization</li> </ul>		<p>Center</p> <ul style="list-style-type: none"> <li>▪ Landed Cost Management</li> <li>▪ Enterprise Asset Management</li> <li>▪ Costing</li> <li>▪ Flow Manufacturing</li> <li>▪ Manufacturing - Subcontracting</li> <li>▪ Shop Floor Management</li> <li>▪ Process Manufacturing Cost Management</li> <li>▪ Process Manufacturing Process Planning</li> <li>▪ Process Manufacturing Process Execution</li> <li>▪ Process Manufacturing Product Development</li> <li>▪ Process Manufacturing Quality Management</li> <li>▪ Process Manufacturing Regulatory Management</li> <li>▪ Process Manufacturing System Administration</li> <li>▪ Capacity</li> <li>▪ Manufacturing Scheduling</li> <li>▪ Master Scheduling/MRP and Supply Chain Planning</li> </ul>
<b>Projects</b>	<b>Financials</b>	<b>Human Resources</b>	<b>Financial Services</b>
<ul style="list-style-type: none"> <li>▪ Project Costing</li> <li>▪ Project Resource Management</li> <li>▪ Project</li> </ul>	<ul style="list-style-type: none"> <li>▪ Accounts Payables</li> <li>▪ Accounts Receivables</li> <li>▪ General Ledger</li> <li>▪ Advanced</li> </ul>	<ul style="list-style-type: none"> <li>▪ Human Resources</li> <li>▪ Self-Service Human Resources</li> <li>▪ Advanced Benefits</li> <li>▪ iRecruitment</li> <li>▪ Payroll</li> </ul>	<ul style="list-style-type: none"> <li>▪ Regulatory Capital Manager</li> <li>▪ Profitability Manager</li> <li>▪ Transfer Pricing</li> <li>▪ Transfer Pricing Online</li> <li>▪ Budgeting and Planning</li> <li>▪ Risk Manager</li> </ul>



<ul style="list-style-type: none"><li>Collaboration</li><li>Project Management</li><li>Project Portfolio Analysis</li><li>Project Contracts</li><li>Project Billing</li><li></li></ul>	<ul style="list-style-type: none"><li>Collections<ul style="list-style-type: none"><li>Internet Expenses</li><li>iReceivables</li><li>Treasury</li><li>Internal Controls Manager</li><li>Financial Consolidation Hub</li><li>Financial Services Accounting Hub</li><li>Accounts Receivable Deductions Settlement</li><li>Chaannel Rebate and Point of sale management</li><li>Revenue Management</li><li>Supplier Ship and Debit</li><li>Assets</li><li>iAssets</li><li>Cash Management</li><li>Treasury</li><li>Bill Presentment</li><li>Credit Management</li><li>Advanced Global Intercompany</li><li>Public Sector Budgeting</li><li>Public Sector Financials</li></ul></li></ul>	<ul style="list-style-type: none"><li>Time and Labor</li><li>HR Intelligence</li><li>Succession Planning</li><li>Labor Distribution</li></ul>	<ul style="list-style-type: none"><li>Financial Data Manager</li><li>Financial Services Provisioning</li><li>Lease Management</li></ul>
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	<ul style="list-style-type: none"><li>▪ U.S. Federal Financials</li><li>▪ E-Business Tax</li><li>▪ Lease and Finance</li><li>▪ Enterprise Performance Foundation</li><li>▪ Performance Management</li></ul>		
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## SAP Center of Excellence

CST's SAP Center of Excellence is built around the philosophy that complex ERP projects such as SAP require a deep understanding beyond core SAP technology skills. A true SAP COE needs to have in depth expertise in client vertical domains, industry best practices, effective change management methodologies supplementing the SAP skill set that most organizations seem to focus on.

Our SAP COE services are available for clients who maybe at any stage of their SAP lifecycle. We can work and can help you to execute your SAP implementation project or we can bring in our SAP consultants to help resolve some critical business issues. Our consultants are having a proven track record in SAP implementation for various top clients. Whether you are looking at SAP solutions to help improve your competitive advantage or are looking for a 'Technical' upgrade to stay at SAP support levels while avoiding too much cost, it would be our extreme pleasure to be your partner of choice.





Basis	ABAP/4 Programming	FI (Financial Accounting)	CO (Controlling)	EC (Enterprise Controlling)
TR (Treasury)	IM (Investment Management)	HR (Human Resource)	SD (Sales and Distribution)	Logistics Information System
MM (Materials Management)	CS (Customer Service)	PM (Plant Maintenance)	PP (Production Planning)	QM - Quality Management
BW (Business Warehousing)	IS (Industry Solutions) / SAP for Industries specific solutions	CS (Customer Service)	SMB	SAP CRM
SAP Product Life Cycle Management	SAP Supply Chain Management	SAP Supplier Relationship Management	NetWeaver	PS (Project Systems)



## Service Offerings

CST has a wide range of service offerings for your organization IT needs. We classify our services into following broad categories.

### *Application Outsourcing*

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- **Application Development**
  - New customized software application design, development, Implementation and post implementation support
  - MIS solutions and reporting
- **Application Testing**
  - Manual and Automated Testing
  - Performance and Load Testing
  - Privacy and Security Testing
- **Application Support & Maintenance**
  - Feature enhancements, upgrades and integration of existing applications
  - L2, L3 service level based continues support
- **Application and Data Migration**
  - Analysis of existing application and data
  - Identification of technology and platform
  - Re-engineering of application
  - Data transformation and migration
- **Business Intelligence and Data warehousing**
  - Design, Development and Implementation of high performing databases for data warehousing
  - Data extraction, Cleansing, Transformation and Loading
  - OLAP for derived values for data
  - Design, Development and Implementation of decision support dashboards (scorecards, measures etc.)



## *Product Development & Services*

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- **Product conceptualization & development**
  - Product conceptualization, architecture design and platform selection
  - Define development strategy
  - UI prototyping and technology POC
  - Product Development
  
- **Product Support and Maintenance**
  - Feature enhancements & upgrades
  - L1, L2, L3 maintenance and bug fixing
  - Product Localization – Extracting and localizing strings, Resizing and rearranging dialog controls, rebuilding resource files
  - Product Extensions – Identifying and quickly extending product functionality, extending product design and scope for cross-platform integration, Extending product for web and smart devices
  
- **Product Migration and Porting**
  - Operating System migration
  - Pre .NET to .NET migration
  - Application server migration
  - J2EE to .NET migration and vice versa
  - Proprietary architecture to an open standards based architecture
  - Database Migration
  
- **Product Customization & Implementation**
  - Product Installation
  - Integrating and customizing product to meet end user's requirement
  - Product Training
  
- **Product Co-Development**
  - Offshore based product co-development to leverage low cost advantage with risk/reward model
  
- **Product Testing**
  - Manual and Automated Testing
  - Performance and Load Testing
  - Privacy and Security Testing



## ***Business & IT Consulting***

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- **Package Implementation, Support, Maintenance (SAP & Oracle Apps)**
  - Staff Augmentation
  - IT Consulting
  - Application Support & Maintenance
  - Helpdesk Support
  - QA Testing
  
- **Program & Project Management**
  - Project Portfolio management
  - End-to-End Program and Project Management
  - Quality Management
  - IT sourcing management
  
- **ITIL Service Management Design & Auditing**
  - Service Support – Service desk / Service Request Management, Incident & Problem Management, Change Management, Release Management, Configuration Management
  - Service Delivery – Service Level Management, Capacity Management, IT Service Continuity Management, Availability Management
  - Security Management
  - Application Management, Application Portfolio Analysis
  - Software Asset Management
  
- **Process Consulting**
  - Identification of Software (Product & Package) Development /Implementation business model and key practices area
  - Detailed Software development/implementation process assessment (current state vs best practices framework)
  - Independent assessment of delivery practices to identify high exposure risks and to recommend remedial actions
  - Identification of improvement opportunities to address symptoms and risks
  
- **Information Security Assessment**
  - IT Audit planning and preparation
  - Establishing Audit objectives
  - Performing the review
  - Issuing the review report



## *Mobile & Internet Development*

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- **Mobile Application Development**
  - Custom Mobile Apps development
  - Mobile games development
  - Business and enterprise mobile application solutions
  - Mobile website development
  - Mobile application integration
  - Mobile porting services
  - Mobile application testing
  - Icon, Mock and Theme design for mobile application
  
- **Website Designing, Development and Maintenance**
  - Custom Website design and development, open-source package customization, CMS development, website maintenance , Search Engine Optimization
  
- **End-to-End E-commerce Solutions**
  - B2C and B2B e-commerce solutions
  - Product Display, Options, Shopping Cart, Inventory management, auto tax and discount structures, pricing, order fulfillment, and customer account management

## *Content-Related IT Services*

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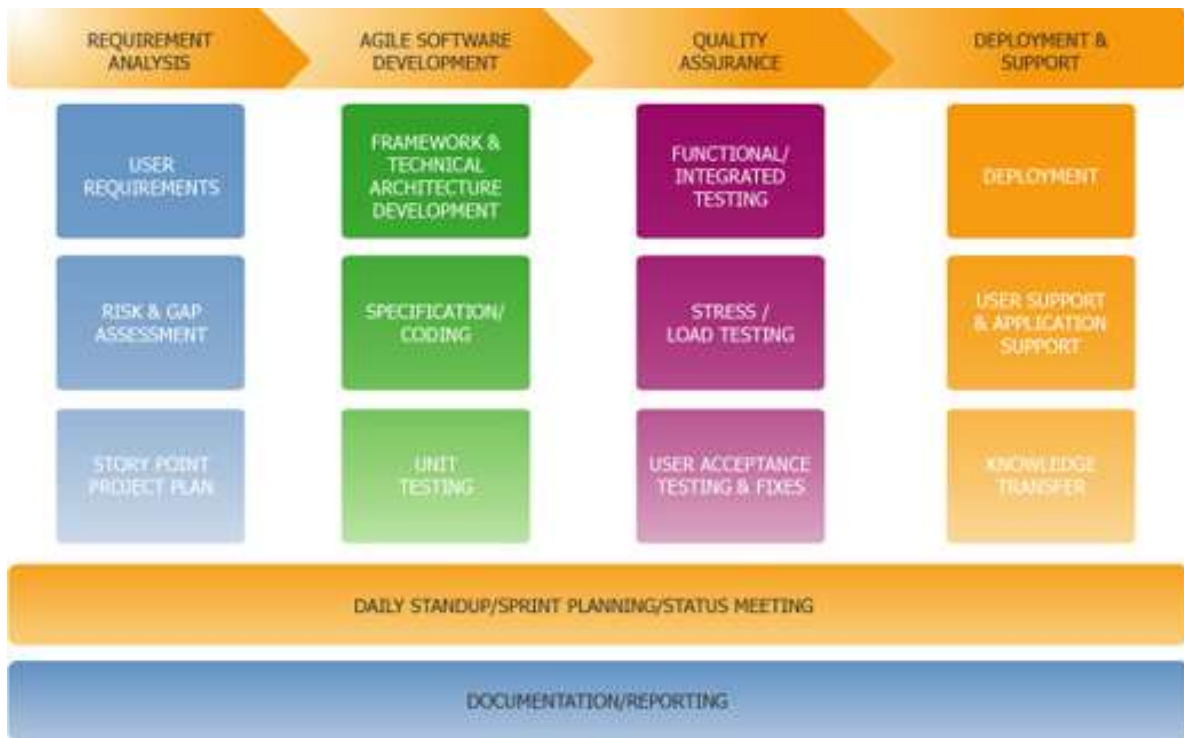
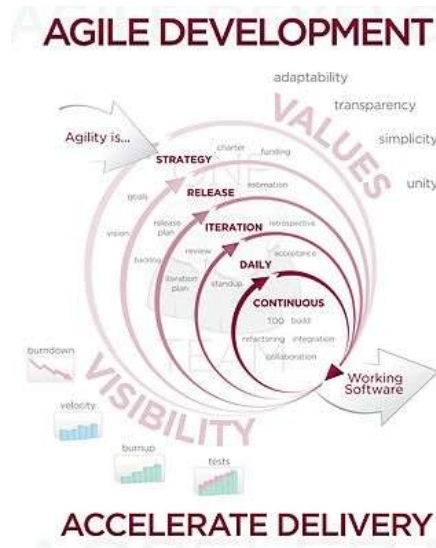
- Business Process Outsourcing / Knowledge Process Outsourcing
- Editorial, Production & Technology Services
- Data conversion, Data capture, Data entry & XML services
- Digitization & Imaging

## CST Technology Practice

Our outsourcing services cover a broad spectrum of technology areas spanning from client server applications, object-oriented software, internet or intranet to legacy applications. Some of the key technology stack where we have got the expertise is below:



## CST Delivery Model & Practice





## Engagement Models

CST offers multiple engagement models to meet diverse needs of global clients. You can choose from any one of the generally accepted models below or a combination of them for different phases of your project.

- ✓ Onsite – Offsite Staff Augmentation (Manpower deployment)
- ✓ Effort based pricing or Time & Material
- ✓ Milestone based billing
- ✓ Dedicated Development Facility
- ✓ Build-Operate-Transfer (BOT) Model
- ✓ Project based pricing or fixed bid
- ✓ Strategic Partner Model
- ✓ Offshore Development Center(ODC)
- ✓ Matrix Model

While customizing the engagement model for each client's unique need, the core focus is given to following:

- ✓ High Quality
- ✓ Fast Delivery
- ✓ Low Cost
- ✓ Increased project profitability
- ✓ Flexible resource Allocation and management with no up front investment
- ✓ Predictable support
- ✓ Handling future needs of the customer



## Contact Us

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