



**Pega  
Gang**

# **Pega** CSA & CSSA 8.8

Hands-On & Certification Oriented **Pega** System Architect & Senior System Architect Training

## **Course Brochure**



## About PegaGang:

### Empowering Excellence Since 2011 :

Established in 2011, **PegaGang** is a trailblazer in Pega technology training, with a rich legacy spanning from Pega 5.5 to the latest version, 8.8. We take pride in being the first in the world to offer comprehensive certification courses along with a spectrum of specialized training modules, including Testing, Administration, UI Development, and Pega Frameworks.

### Unmatched Expertise, Cutting-Edge Content

Our expertise covers the entire Pega spectrum, including versions 5.5, 6.X, 7.X, and the latest 8.8. With a network of over 16,000 certified Pega consultants worldwide, we bring unrivaled knowledge and insight to every course.

### Comprehensive Course Offerings

At PegaGang, we offer a diverse range of courses designed to cater to both corporate teams and individual learners. Whether you're seeking certification training, testing, administration, or specialized UI development skills, our courses are meticulously crafted to meet the demands of today's dynamic business landscape.

### A Global Community

Our reach extends across the globe, with a community of 16,000+ Pega consultants, ensuring that you're learning from the best, no matter where you are in the world.

### Why Choose PegaGang ?

- **Cutting-Edge Curriculum:** Stay ahead in the fast-evolving world of Pega with our up-to-date content, covering versions from Pega 5.5 to 8.8.
- **World-Class Instructors:** Learn from seasoned professionals with extensive experience in Pega technology.
- **Certification Excellence:** Achieve industry-recognized certifications, unlocking new career opportunities.
- **Tailored Learning Experience:** Whether for individuals or corporate teams, our courses are designed to fit your unique needs.

## **Our Vision :**

"Envisioning a Future of Pioneering Excellence in Pega Technology

At PegaGang, we envisage a future where Pega technology is harnessed to drive innovation and transformation across industries. Our vision is to be the global leader in providing cutting-edge Pega training, empowering individuals and organizations to unlock the full potential of this powerful platform. Through unwavering commitment to quality, expertise, and a network of industry-leading professionals, we aim to redefine the landscape of Pega education. Together, we shape a tomorrow where every Pega professional is equipped to drive impactful change and achieve unparalleled success."

## **Our Mission :**

Our mission is to bridge the gap between aspiration and achievement. We provide high-quality Pega training that meets the ever-evolving demands of the industry. Whether you are an individual aiming to thrive in the Pega landscape or a corporation seeking to optimize your workforce, we are your trusted partner in success.

## **Expertise and Excellence :**

Our team comprises Pega Certified Professionals and industry veterans who bring a wealth of practical insights to the training experience. Our instructors are dedicated to guiding learners through engaging and interactive training, ensuring a thorough understanding of Pega concepts and applications.

## **Employer Services :**

Recognizing the value of a skilled workforce, we extend our expertise to employers. We collaborate with organizations to enhance their teams' proficiency in Pega technology through customized training programs. By equipping your employees with top-tier Pega knowledge, we help drive innovation and efficiency within your organization.

## **Pega CSA & CSSA 8.8 Course**



## Course Description :

Embark on a transformative 60-hour journey into the world of Pega technology with our dual-level certification course. The Pega CSA & CSSA 8.8 program seamlessly integrates Certified System Architect (CSA) and Certified Senior System Architect (CSSA) training, allocating the first 30 hours to establish a strong foundation in Pega, followed by an intensive 30-hour exploration of advanced concepts.

## Course Duration :

- 60 Hours Approx

## Prerequisites :

- None for CSA; completion of CSA course or equivalent experience for CSSA.
- Hands-on experience with Pega application development

## Target Audience :

- Aspiring Pega developers.
- Business analysts transitioning to Pega development roles.
- IT professionals looking to expand their skill set with Pega.

## Course Topics :

01	<ul style="list-style-type: none"><li>• Introduction to OOP and BPM</li></ul>	<ul style="list-style-type: none"><li>• Introduction to Object Oriented programming</li><li>• OOP Concepts</li><li>• Introduction to Process, Business Process, BPM</li><li>• Benefits of BPM Solutions</li><li>• Various BPM tools in the Market</li><li>• Introduction to Case Management</li></ul>
02	<ul style="list-style-type: none"><li>• Introduction to Pega</li></ul>	<ul style="list-style-type: none"><li>• What is Pega ?</li><li>• Evolution of Pega Platform</li><li>• Pega Footprint in various domains</li><li>• Introduction to Pega Infinity</li><li>• Pega Capabilities</li><li>• Pega Installation</li><li>• Introduction to Pega Studios</li><li>• Roles on a Pega project</li></ul>

03	<ul style="list-style-type: none"> <li>● Creating a Pega Application</li> </ul>	<ul style="list-style-type: none"> <li>● Exploring the Pega Studios</li> <li>● Introduction to the Dev Studio</li> <li>● Creating a Pega application</li> <li>● Introduction to creating a Framework application</li> <li>● Working on creating an Implementation Application</li> <li>● Difference between Framework &amp; Implementation applications</li> </ul>
04	<ul style="list-style-type: none"> <li>● Introduction to Case Design</li> </ul>	<ul style="list-style-type: none"> <li>● Introduction to Case types</li> <li>● What is a Case life cycle</li> <li>● Design a case type</li> <li>● User context</li> <li>● Updating Case status</li> <li>● How to add instructions to assignments</li> </ul>
05	<ul style="list-style-type: none"> <li>● Controlling Case workflow</li> </ul>	<ul style="list-style-type: none"> <li>● Parallel processing</li> <li>● How to perform processes in parallel</li> <li>● Alternate Paths</li> <li>● Optional actions</li> <li>● Adding optional actions to a case</li> <li>● Skipping processes and stages</li> <li>● How to skip a process or stage in a workflow</li> </ul>
06	<ul style="list-style-type: none"> <li>● Smart Shapes, Flow Action, Sections</li> </ul>	<ul style="list-style-type: none"> <li>● Introduction to Smart Shapes</li> <li>● Process Flow Rule</li> <li>● Flow Action Rule</li> <li>● Introduction to Section.</li> <li>● Layouts &amp; Controls in Section</li> <li>● Creating Work Object &amp; Tracking WO</li> <li>● Where am I</li> </ul>
07	<ul style="list-style-type: none"> <li>● Flow Action Processing, Operator Profile</li> </ul>	<ul style="list-style-type: none"> <li>● Introduction to flow action pre- and post-processing</li> <li>● Pre- and post-processing in flow actions</li> <li>● Configuring pre- and post-processing for flow actions</li> <li>● Operator Profile</li> <li>● Application and Access groups</li> </ul>
08	<ul style="list-style-type: none"> <li>● Data Elements , Data Types</li> </ul>	<ul style="list-style-type: none"> <li>● Introduction to adding fields to a case type</li> <li>● Data elements in Pega applications</li> <li>● Page Mode &amp; Value Mode properties</li> <li>● How to manage properties</li> </ul>

		<ul style="list-style-type: none"> <li>● How to reference a property</li> <li>● Defining properties</li> <li>● User views &amp; Configuration of user Views</li> </ul>
09	<ul style="list-style-type: none"> <li>● Data Modelling,Clip board Structure</li> </ul>	<ul style="list-style-type: none"> <li>● Introduction to data in memory</li> <li>● Data storage in memory</li> <li>● Clipboard</li> <li>● Types of Pages in Clipboard</li> <li>● pyWorkPage</li> <li>● How to view clipboard data</li> <li>● How to use and set property values with the Clipboard</li> <li>● Tracer</li> </ul>
10	<ul style="list-style-type: none"> <li>● Types of Inheritances</li> </ul>	<ul style="list-style-type: none"> <li>● Inheritance Types in PEGA</li> <li>● What is Direct Inheritance &amp; Pattern Inheritance</li> <li>● Concept of Dual Inheritance</li> <li>● Introduction to Class Structures</li> </ul>
11	<ul style="list-style-type: none"> <li>● Configuring Data Transforms</li> </ul>	<ul style="list-style-type: none"> <li>● Manipulating case data</li> <li>● Introduction to setting property values automatically</li> <li>● Data transforms</li> <li>● How to set values with data transforms</li> <li>● How to set default property values</li> <li>● Data transforms and superclassing</li> </ul>
12	<ul style="list-style-type: none"> <li>● Data Pages</li> </ul>	<ul style="list-style-type: none"> <li>● Introduction to Data PagesHow to configure a Data Page</li> <li>● Source data to Data Elements with Data Pages</li> <li>● Load Management</li> </ul>
13	<ul style="list-style-type: none"> <li>● Introduction to Activity</li> </ul>	<ul style="list-style-type: none"> <li>● Using Activity to define Business logic</li> <li>● Configuring Activity</li> <li>● How to Call One Activity from Another Activity</li> <li>● Various methods in Activity</li> <li>● Understanding the Difference between Call, Branch &amp; Queue</li> </ul>
14	<ul style="list-style-type: none"> <li>● Routing Assignments to Users</li> </ul>	<ul style="list-style-type: none"> <li>● Routing work to users</li> <li>● How to route assignments</li> <li>● Introduction to Worklist &amp; Work Baskets</li> </ul>

		<ul style="list-style-type: none"> <li>● How to configure custom routing</li> <li>● Case approval configuration</li> <li>● How to configure a single level approval</li> <li>● How to configure cascading approvals</li> <li>● Creating workgroup &amp; workbasket</li> </ul>
15	<ul style="list-style-type: none"> <li>● Configuring Decision Rules</li> </ul>	<ul style="list-style-type: none"> <li>● Decision points</li> <li>● How to add a decision point to a process</li> <li>● Decision Rules in PEGA.</li> <li>● How to call Decision Rules</li> <li>● When rule, Decision Table, Decision Tree &amp; Map Value</li> <li>● Using Fork option in Decision Shape of Flow</li> <li>● Configuring a when rule, decision table, decision tree &amp; Map Value</li> <li>● Unit testing the Decision rules</li> <li>● Decision Shape in Flow, Activity Methods &amp; Declare</li> <li>● Expression Functions.</li> <li>● Rule Delegation</li> </ul>
16	<ul style="list-style-type: none"> <li>● Configuring Declare Rules</li> </ul>	<ul style="list-style-type: none"> <li>● Introduction to Declarative Processing</li> <li>● Declare Expressions</li> <li>● Declare Constraints</li> <li>● Declare On Change</li> <li>● Declare Trigger</li> <li>● Declare Index</li> <li>● Declare Collection</li> <li>● Forward Chaining &amp; Backward Chaining</li> </ul>
17	<ul style="list-style-type: none"> <li>● Property Optimization</li> </ul>	<ul style="list-style-type: none"> <li>● Declare Index.</li> <li>● Introduction to optimizing report data</li> <li>● Data storage in Pega applications</li> <li>● Property optimization</li> <li>● Optimizing properties for reporting</li> </ul>
18	<ul style="list-style-type: none"> <li>● Report Definitions</li> </ul>	<ul style="list-style-type: none"> <li>● Reporting: Creating business reports</li> <li>● Introduction to creating business reports</li> <li>● The role of reports</li> <li>● Business and process reports</li> <li>● The Report Browser</li> <li>● How to create a report</li> <li>● How to organize report results</li> <li>● Creating a report</li> <li>● Organizing report results</li> </ul>

19	<ul style="list-style-type: none"> <li>• Service level Agreements</li> </ul>	<ul style="list-style-type: none"> <li>• Setting a service level</li> <li>• Service level agreements</li> <li>• How to add a service level to an assignment</li> <li>• How to add a service level to a case</li> <li>• How to add service levels throughout the case life Cycle</li> </ul>
20	<ul style="list-style-type: none"> <li>• Rule sets</li> </ul>	<ul style="list-style-type: none"> <li>• What is Ruleset</li> <li>• Rule Set and Versioning</li> <li>• How to create a new rule-set version</li> <li>• How to lock a rule set version</li> <li>• About Check-in, Check-out &amp; Private edit</li> </ul>
21	<ul style="list-style-type: none"> <li>• Validate Rules</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to validating user data</li> <li>• Methods of data validation</li> <li>• Validate rule</li> <li>• Edit validate rule</li> <li>• Configure validate rule and edit validate rule</li> <li>• Validating a flow action using validate rule</li> </ul>
22	<ul style="list-style-type: none"> <li>• Designing the Sections and Layouts</li> </ul>	<ul style="list-style-type: none"> <li>• How to build a section rule</li> <li>• How to build a section for reuse</li> <li>• Creating dynamic layouts in a section</li> <li>• Using different types of layouts and controls</li> </ul>
23	<ul style="list-style-type: none"> <li>• Correspondence</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to configuring and sending correspondence</li> <li>• Case communications</li> <li>• Sending an email from a case</li> <li>• How to configure correspondence rules</li> </ul>
24	<ul style="list-style-type: none"> <li>• Unit testing rules</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Unit testing rules</li> <li>• Unit testing</li> <li>• How to unit test a rule</li> </ul>
25	<ul style="list-style-type: none"> <li>• Delegating rules</li> </ul>	<ul style="list-style-type: none"> <li>• Delegating Rule management to Business Users</li> <li>• Business Rule delegation</li> <li>• How to delegate rules to business users</li> </ul>



26	<ul style="list-style-type: none"> <li>● Application Debugging</li> </ul>	<ul style="list-style-type: none"> <li>● Application Debugging Tools</li> <li>● Clipboard</li> <li>● Tracer</li> <li>● Reviewing Log files</li> <li>● Live UI</li> <li>● Analyzing application performance</li> </ul>
27	<ul style="list-style-type: none"> <li>● Security</li> </ul>	<ul style="list-style-type: none"> <li>● Application Security</li> <li>● Managing Access control</li> <li>● Adding roles to an access control model</li> <li>● Managing access to individual rules</li> <li>● Managing user access with access groups</li> </ul>
28	<ul style="list-style-type: none"> <li>● Release management with Pega Platform</li> </ul>	<ul style="list-style-type: none"> <li>● DevOps</li> <li>● Continuous Integration</li> <li>● DevOps Technology</li> <li>● Deployment Manager</li> </ul>
29	<ul style="list-style-type: none"> <li>● Styling an Application</li> </ul>	<ul style="list-style-type: none"> <li>● Introduction to styling an application</li> <li>● Styling an application with skins</li> <li>● How to customize an application appearance with skins</li> <li>● Controlling application appearance with a skin</li> </ul>
30	<ul style="list-style-type: none"> <li>● Creating a Pega Application</li> </ul>	<ul style="list-style-type: none"> <li>● Exploring the Pega Studios</li> <li>● Introduction to the Dev Studio</li> <li>● Creating a Pega application</li> <li>● Introduction to creating a Framework application</li> <li>● Working on creating an Implementation Application</li> <li>● Difference between Framework &amp; Implementation applications</li> </ul>
31	<ul style="list-style-type: none"> <li>● Case Management: Duplicate and Temporary Cases</li> </ul>	<ul style="list-style-type: none"> <li>● Introduction to duplicate and temporary cases</li> <li>● Duplicate cases</li> <li>● How to configure a search for duplicate cases step</li> <li>● Temporary cases</li> <li>● How to create temporary cases</li> </ul>

32	<ul style="list-style-type: none"> <li>● Approving Cases with an Cascading Approval process</li> </ul>	<ul style="list-style-type: none"> <li>● Approving Cases with an Cascading Approval process</li> <li>● Introduction to configuring a cascading approval process</li> <li>● Cascading approval</li> <li>● Configuring cascading approval with an authority matrix</li> </ul>
33	<ul style="list-style-type: none"> <li>● User Interface: User Portals</li> </ul>	<ul style="list-style-type: none"> <li>● Introduction to customizing a user portal</li> <li>● User portals</li> <li>● Harnesses</li> <li>● Customizing a user portal</li> <li>● Changing the logo image in a user portal</li> </ul>
34	<ul style="list-style-type: none"> <li>● Application Versioning</li> </ul>	<ul style="list-style-type: none"> <li>● Application Rulesets</li> <li>● Introduction to configuring application rulesets</li> <li>● Rulesets &amp; Ruleset validation</li> <li>● The ruleset Stack</li> </ul>
35	<ul style="list-style-type: none"> <li>● Managing Application Development</li> </ul>	<ul style="list-style-type: none"> <li>● Managing Application Development</li> <li>● Introduction to managing application development</li> <li>● Parallel development</li> <li>● Developing in parallel by branching rulesets</li> <li>● Merging changes from a branched ruleset</li> </ul>
36	<ul style="list-style-type: none"> <li>● Localized Application Content</li> </ul>	<ul style="list-style-type: none"> <li>● Introduction to supporting multiple languages in application</li> <li>● Localization and designing an application for localization</li> <li>● Localizing an application</li> </ul>
37	<ul style="list-style-type: none"> <li>● Parallel Processing</li> </ul>	<ul style="list-style-type: none"> <li>● Introduction to configuring parallel processing</li> <li>● Parallel processing in Pega applications</li> <li>● Configuring parallel processing</li> <li>● Case locking &amp; Configuring case locking</li> </ul>
38	<ul style="list-style-type: none"> <li>● Circumstancing</li> </ul>	<ul style="list-style-type: none"> <li>● Circumstancing</li> <li>● Introduction to circumstancing rules</li> <li>● Situational processing</li> <li>● Circumstance rules &amp; Circumstancing a rule</li> <li>● Multiple variable rule circumstancing</li> </ul>

39	<ul style="list-style-type: none"> <li>• Field Values</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to configuring field values</li> <li>• Field values</li> <li>• Configuring field values</li> </ul>
40	<ul style="list-style-type: none"> <li>• Rule Resolution</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to rule resolution</li> <li>• How the rule resolution process works</li> <li>• How the rules cache is populated</li> <li>• Influencing rule resolution through rule availability.</li> </ul>
41	<ul style="list-style-type: none"> <li>• Migration</li> </ul>	<ul style="list-style-type: none"> <li>• Importing &amp; Migrating an application</li> <li>• Introduction to migrating an application</li> <li>• Describe about product rule</li> <li>• Exporting an application using application packaging wizard.</li> </ul>
42	<ul style="list-style-type: none"> <li>• Web Services</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to integration in Pega applications</li> <li>• Connectors</li> <li>• Web Services</li> <li>• Exposing an application with a service</li> <li>• Creating a SOAP service using the Service Wizard</li> <li>• Configuring a Connector to consume the service.</li> </ul>
43	<ul style="list-style-type: none"> <li>• Simulating Integration Data</li> </ul>	<ul style="list-style-type: none"> <li>• Simulating Integration Data</li> <li>• Integration simulation</li> <li>• Simulating an integration</li> <li>• Simulating connector data</li> </ul>
44	<ul style="list-style-type: none"> <li>• Background Processing</li> </ul>	<ul style="list-style-type: none"> <li>• Background processing</li> <li>• Activities and background processing</li> <li>• How to configure a queue processor</li> <li>• How to configure a job scheduler</li> <li>• Background process management</li> </ul>
45	<ul style="list-style-type: none"> <li>• Database Updates</li> </ul>	<ul style="list-style-type: none"> <li>• Database updates</li> <li>• Reading &amp; Writing data to a database</li> </ul>
46	<ul style="list-style-type: none"> <li>• Keyed Data Pages</li> </ul>	<ul style="list-style-type: none"> <li>• Configuring Keyed datapages</li> <li>• Data Access Patterns</li> </ul>
47	<ul style="list-style-type: none"> <li>• Designing reports with multiple sources</li> </ul>	<ul style="list-style-type: none"> <li>• Designing reports with multiple sources</li> <li>• Configuring Sub Report</li> </ul>

48	<ul style="list-style-type: none"> <li>● Pega Web Mashup</li> </ul>	<ul style="list-style-type: none"> <li>● Creating a Pega Web Mash up</li> <li>● Configure Mash up &amp; Generating Mash Up code</li> </ul>
49	<ul style="list-style-type: none"> <li>● Mobile apps for Pega application</li> </ul>	<ul style="list-style-type: none"> <li>● Mobile apps for Pega applications</li> </ul>
50	<ul style="list-style-type: none"> <li>● Offline processing for mobile apps</li> <li>● Enabling accessibility features in applications.</li> </ul>	<ul style="list-style-type: none"> <li>● Offline processing &amp; Enabling Offline Support</li> <li>● Process Design considerations</li> <li>● Application accessibility</li> </ul>
51	<ul style="list-style-type: none"> <li>● Interview Preparation Tips Discussion</li> </ul>	<ul style="list-style-type: none"> <li>● Interview Questions, Preparation Tips &amp; Discussion</li> </ul>

## PegaGang's Demo :

URL For Demo :: <https://www.pegagang.com/pega-csa-demo>

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**Pega CSA & CSSA 8.8**

**Introduction Session**



## PegaGang Vs Others :



	Pega Gang	Others
Training on Latest Version	✓	✗
Training By Working Experts	✓	✗
80% Pratical 20% Theory	✓	✗
Recoded Sessions Access	✓	✗
Materials & Resources	✓	✗
Deal All Pega Courses	✓	✗

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