Pega GenAI ✦ **Blueprint**™

APPLICATION OVERVIEW DOCUMENT

Intellectual Property Registration

Congratulations on completing your application definition! This document presents a summary overview of your application as defined in the Pega platform. It encapsulates the key elements of your application's design, highlighting its core functionalities and overall structure.

Please note that this is a high-level view and does not include granular details like data models or sample data. It's an ideal resource for a quick reference, facilitating discussions among team members and stakeholders, and for guiding strategic decisions in your application development process.

Blueprint ID: BP-102898

📋 Application Context

Organization name
ACE Engineering College, Hyderabad

Industry
Other

Language
English

Application purpose
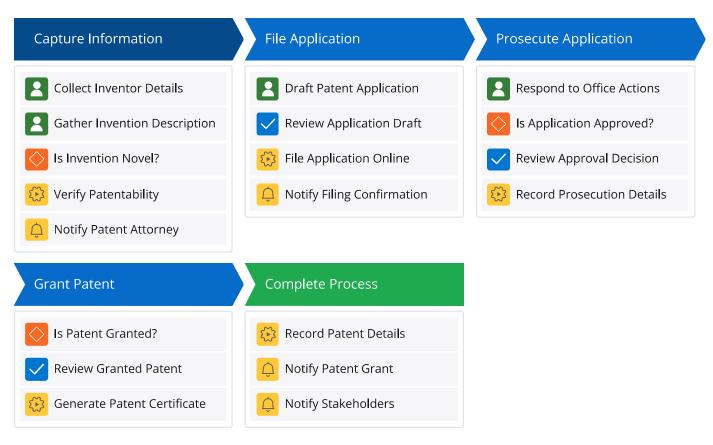Intellectual Property Registration

Functional description
Intellectual Property (IP) registration is the process of securing legal protection for innovative ideas, creative works, and distinctive signs. This functional description outlines the key steps, components, and benefits of IP registration.

🗂 Case Types

Patent Filing and Prosecution

Patent filing and prosecution involves preparing and submitting a patent application to a patent office, such as the USPTO, EPO, or WIPO, and navigating the examination process to secure patent grant.
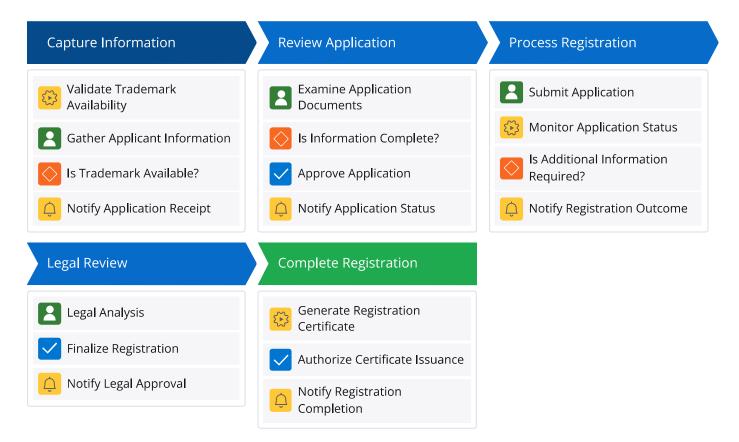
Capture Information

- 👤 Collect Inventor Details
- 👤 Gather Invention Description
- ◇ Is Invention Novel?
- ⚙ Verify Patentability
- 🔔 Notify Patent Attorney

File Application

- 👤 Draft Patent Application
- ✅ Review Application Draft
- ⚙ File Application Online
- 🔔 Notify Filing Confirmation

Prosecute Application

- 👤 Respond to Office Actions
- ◇ Is Application Approved?
- ✅ Review Approval Decision
- ⚙ Record Prosecution Details

Grant Patent

- ◇ Is Patent Granted?
- ✅ Review Granted Patent
- ⚙ Generate Patent Certificate

Complete Process

- ⚙ Record Patent Details
- 🔔 Notify Patent Grant
- 🔔 Notify Stakeholders

Field Name	Description	Type	Primary
Applicant Name	Applicant Name	Text	✓
Case ID	Unique identifier for this individual case instance	Text	✓
Case Label	Label for this individual case instance	Text	✓
Filing Date	Application Filing Date	Text	✓
Invention Description	Description of the Invention	Text	✓
Invention Title	Title of the Invention	Text	✓
Inventor Name	Name of Inventor	Text	✓
Urgency	Priority/urgency of the case	Decimal	✓
Work Status	Work status of the case	Text	✓

Field Name	Description	Type	Primary
Application Number	Patent Application Number	Text	
Attorney Name	Name of Attorney	Text	
Category	Patent Category	Text	
Created by	User that created the case	Text	
Created date/time	Date/time case was created	DateTime	
Description	Description for this individual case instance	Text	
Examiner Comments	Examiner's Comments	Text	
Prior Art Search	Prior Art Search Results	Text	
Resolved by	User that resolved the case	Text	
Resolved date/time	Date/time case was resolved	DateTime	

Field Name	Description	Type	Primary

Trademark Registration

Trademark Registration oversees the registration of trademarks, including conducting searches, preparing applications, and managing the registration process to protect unique brands and logos.
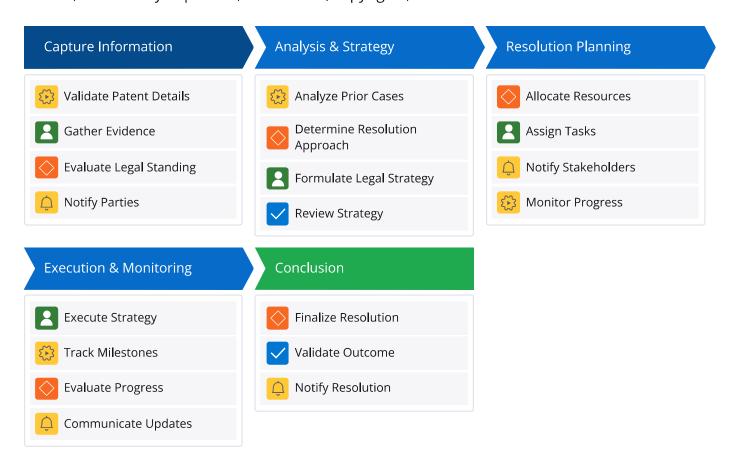
Capture Information	Review Application	Process Registration
▶ Validate Trademark Availability	👤 Examine Application Documents	👤 Submit Application
👤 Gather Applicant Information	◇ Is Information Complete?	⚙ Monitor Application Status
◇ Is Trademark Available?	✓ Approve Application	◇ Is Additional Information Required?
🔔 Notify Application Receipt	🔔 Notify Application Status	🔔 Notify Registration Outcome

Legal Review	Complete Registration
👤 Legal Analysis	▶ Generate Registration Certificate
✓ Finalize Registration	✓ Authorize Certificate Issuance
🔔 Notify Legal Approval	🔔 Notify Registration Completion

Field Name	Description	Type	Primary
Applicant Name and...	The name and address of the individual or entity...	Text	✓
Case ID	Unique identifier for this individual case instance	Text	✓
Case Label	Label for this individual case instance	Text	✓
Date of First Use	The date when the trademark was first used in...	Date	✓
Goods/Services Description	The description of the goods or services...	Text	✓
Trademark ID	The unique identifier for the trademark being...	Text	✓
Trademark Name	The name of the trademark being registered.	Text	✓
Urgency	Priority/urgency of the case	Decimal	✓
Work Status	Work status of the case	Text	✓
Application ID	The unique identifier for the trademark...	Text	

Field Name	Description	Type	Primary
Application Status	The status of the trademark application (e.g.,...	Text	
Attorney/Legal...	The name and address of the attorney or legal...	Text	
Created by	User that created the case	Text	
Created date/time	Date/time case was created	DateTime	
Description	Description for this individual case instance	Text	
Examining Attorney	The official examining attorney assigned to revie...	Text	
Registration Number	The registration number assigned to the...	Text	
Resolved by	User that resolved the case	Text	
Resolved date/time	Date/time case was resolved	DateTime	

IP Dispute Resolution

Intellectual Property (IP) dispute resolution involves resolving conflicts arising from infringement, misuse, or invalidity of patents, trademarks, copyrights, and trade secrets.
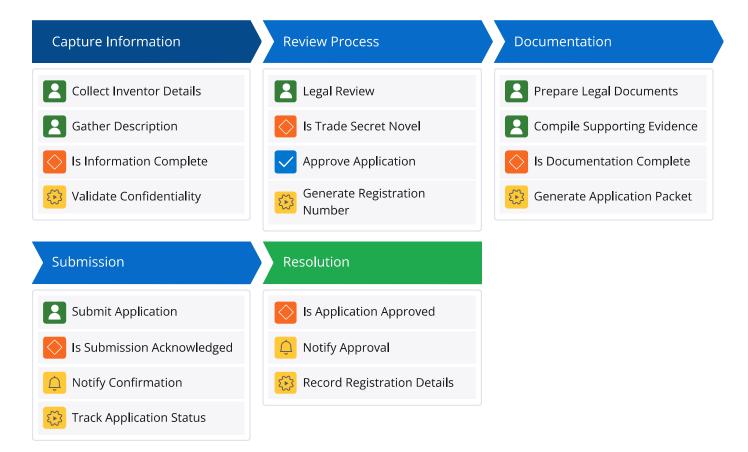
Capture Information	Analysis & Strategy	Resolution Planning
Validate Patent Details	Analyze Prior Cases	Allocate Resources
Gather Evidence	Determine Resolution Approach	Assign Tasks
Evaluate Legal Standing	Formulate Legal Strategy	Notify Stakeholders
Notify Parties	Review Strategy	Monitor Progress

Execution & Monitoring	Conclusion
Execute Strategy	Finalize Resolution
Track Milestones	Validate Outcome
Evaluate Progress	Notify Resolution
Communicate Updates	

Field Name	Description	Type	Primary
Case ID	Unique identifier for this individual case instance	Text	✓
Case Label	Label for this individual case instance	Text	✓
Claimant Name	The party or entity initiating the dispute regarding the…	Text	✓
Defendant Name	The party or entity against whom the dispute is filed with…	Text	✓
Dispute Initiation…	The date when the intellectual property dispute was…	Date	✓
Intellectual…	The name or title of the intellectual property in dispute,…	Text	✓
Urgency	Priority/urgency of the case	Decimal	✓
Work Status	Work status of the case	Text	✓
Claimant's Legal…	The legal representative or attorney acting on behalf of th…	Text	
Created by	User that created the case	Text	
Created date/time	Date/time case was created	DateTime	

Field Name	Description	Type	Primary
Defendant's Lega...	The legal representative or attorney acting on behalf of th...	Text	
Description	Description for this individual case instance	Text	
Dispute Outcome	The outcome or decision resulting from the intellectual...	Text	
Dispute Status	The current status or stage of the dispute resolution...	Text	
Dispute Summary	A brief summary or description of the intellectual propert...	Text	
Resolution Date	The date when a final decision or resolution was reached ...	DateTime	
Resolved by	User that resolved the case	Text	
Resolved date/time	Date/time case was resolved	DateTime	

Trade Secret

A trade secret is confidential and valuable information, not publicly known, that provides a business with a competitive advantage. They are protected by law, but unlike patents, trade secrets remain confidential indefinitely, as long as they are not disclosed.
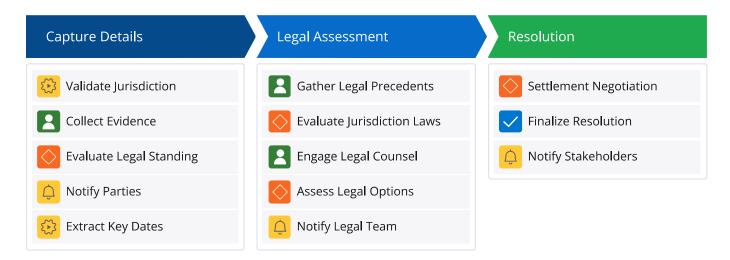
Capture Information	Review Process	Documentation
👤 Collect Inventor Details	👤 Legal Review	👤 Prepare Legal Documents
👤 Gather Description	🔶 Is Trade Secret Novel	👤 Compile Supporting Evidence
🔶 Is Information Complete	✅ Approve Application	🔶 Is Documentation Complete
⚙️ Validate Confidentiality	⚙️ Generate Registration Number	⚙️ Generate Application Packet

Submission	Resolution
👤 Submit Application	🔶 Is Application Approved
🔶 Is Submission Acknowledged	🔔 Notify Approval
🔔 Notify Confirmation	⚙️ Record Registration Details
⚙️ Track Application Status	

Field Name	Description	Type	Primary
Case ID	Unique identifier for this individual case instance	Text	✓
Case Label	Label for this individual case instance	Text	✓
Creation Date	The date when the trade secret was initially created or…	Text	✓
Description	A detailed description of the trade secret, outlining the specifi…	Text	✓
Last Review…	The date when the trade secret's confidentiality agreement or…	Text	✓
Trade Secret…	The name of the trade secret, which identifies the confidentia…	Text	✓
Urgency	Priority/urgency of the case	Decimal	✓
Work Status	Work status of the case	Text	✓
Category	The type or category of the trade secret, such as technologica…	Text	
Contact…	The contact information of the designated point of contact fo…	Text	

Field Name	Description	Type	Primary
Created by	User that created the case	Text	
Created...	Date/time case was created	DateTime	
Creator	The individual or entity responsible for the creation or...	Text	
Custodian	The department or business unit within the organization that ...	Text	
Description	Description for this individual case instance	Text	
Notes	Any additional notes or comments related to the trade secret...	Text	
Resolved by	User that resolved the case	Text	
Resolved...	Date/time case was resolved	DateTime	
Status	The current status of the trade secret, such as active, inactive,...	Text	

International IP

International IP disputes are resolved through mechanisms like the World Intellectual Property Organization (WIPO), International Trade Commission (ITC), and European Union Intellectual Property Office (EUIPO).

Capture Details	Legal Assessment	Resolution
⚙ Validate Jurisdiction	👤 Gather Legal Precedents	◇ Settlement Negotiation
👤 Collect Evidence	◇ Evaluate Jurisdiction Laws	✓ Finalize Resolution
◇ Evaluate Legal Standing	👤 Engage Legal Counsel	🔔 Notify Stakeholders
🔔 Notify Parties	◇ Assess Legal Options	
⚙ Extract Key Dates	🔔 Notify Legal Team	

Field Name	Description	Type	Primary
Applicant Name	The name of the applicant or organization applying for…	Text	✓
Case ID	Unique identifier for this individual case instance	Text	✓
Case Label	Label for this individual case instance	Text	✓
Case Number	The unique identification number assigned to the…	Text	✓
Filing Date	The date when the international IP case was filed for…	Date	✓
IP Description	The description of the intellectual property being…	Text	✓
Protection Territory	The country or region where the international IP…	Text	✓
Urgency	Priority/urgency of the case	Decimal	✓
Work Status	Work status of the case	Text	✓
Applicant Contact…	The contact information of the international IP applican…	Text	
Applicant ID	The unique identification number assigned to the…	Text	
Case Status	The status of the international IP case, such as pending,…	Text	
Created by	User that created the case	Text	
Created date/time	Date/time case was created	DateTime	
Description	Description for this individual case instance	Text	

Field Name	Description	Type	Primary
IP Type	The type of intellectual property, such as patent,...	Text	
Legal Representative	The name of the attorney or legal representative...	Text	
Resolved by	User that resolved the case	Text	
Resolved date/time	Date/time case was resolved	DateTime	

⬡ Live Data

Intellectual Property

Represents the Intellectual Property Data Object and holds values like Title, Description, Creator, Filing Date, and Status. It is ideally connecting to the Intellectual Property Database as the system of record for storing and managing IP registrations.

Patent

Represents the Patent Data Object and holds values like Patent Number, Filing Date, Inventor, Claims, and Expiry Date. It is ideally connecting to the Patent Office Database as the system of record for managing patent-related information.

Trademark

Represents the Trademark Data Object and holds values like Trademark Name, Registration Date, Owner, Class, and Status. It is ideally connecting to the Trademark Registry as the system of record for managing trademark registrations.

Copyright

Represents the Copyright Data Object and holds values like Work Title, Author, Publication Date, Rights Holder, and Duration. It is ideally connecting to the Copyright Office Database as the system of record for managing copyright registrations.

Design

Represents the Design Data Object and holds values like Design Title, Designer, Registration Date, Category, and Status. It is ideally connecting to the Design Registry as the system of record for managing design registrations.

IP Owner

Represents the IP Owner Data Object and holds values like Name, Contact Information, Portfolio, and Registration History. It is ideally connecting to the IP Owner Management System as the system of record for managing information about IP owners.

👥 Personas

Innovator

The inventor who needs to register their innovative ideas and creative works to secure legal protection and prevent unauthorized use or reproduction.

IP Agent

The legal counsel responsible for guiding clients through the intellectual property registration process, providing legal advice, and ensuring compliance with regulations.

Examiner

The patent examiner who evaluates patent applications, conducts prior art searches, and assesses the novelty and inventiveness of the submitted inventions.

Business Owner

The entrepreneur who relies on the registered intellectual property to build a unique brand, secure investment, and gain a competitive edge in the market.

IP Holder

The entity that owns the patent once it's granted, often via assignment from the inventor.