Project Pollen.AI – Bee Logical AI Wing Initiative

1. Overview

Project Pollen.AI is Bee Logical's internal AI Wing Initiative, running from July to October 2025. Its goal is to deliver three impactful AI Proof-of-Concepts (POCs) while equipping a dedicated team with the experience and skills required to lead external AI projects in the near future.

The initiative is led by Bhagyashree, supported by seven junior developers, each contributing 1–1.5 hours daily alongside their core responsibilities. The initiative will be directly monitored by Abhay and Abhishek.

2. Team Assignment Matrix

Role	Name	Assigned POC(s)	Responsibility
AI Lead	Bhagyashree	All 3 POCs	Technical oversight, mentoring, reporting
Jr. Dev 1	Saanchi	Policybot 2.0	Frontend UI, Zoho Cliq integration
Jr. Dev 2	Mithilesh	Policybot 2.0	Backend ingestion, vector DB setup
Jr. Dev 3	Yogesh Kanwade	Project Insights Dashboard	Backend API integration, NLQ logic
Jr. Dev 4	Yashwant	Project Insights Dashboard	Dashboard UI, chart rendering
Jr. Dev 5	Siddeshwar	Smart HR Bot	Resume parsing, voice bot logic
Jr. Dev 6	Vishwajeet Mall	Smart HR Bot	Chatbot UI, panel integration
Jr. Dev 7	Arya Naik	All 3 POCs	Support across all POCs (testing, integration, documentation)

3. POC Scope & Monthly Milestone Plan

Policybot 2.0
- Scope: AI chatbot trained on company policies, SOPs, with Zoho Cliq integration.

- July: Document ingestion pipeline, vector DB setup, base UI

- August: Zoho Cliq chatbot integration, accurate response tuning

- September: Role-based access control, fallback handling

- October: Final demo, Q&A logging, deployment readiness
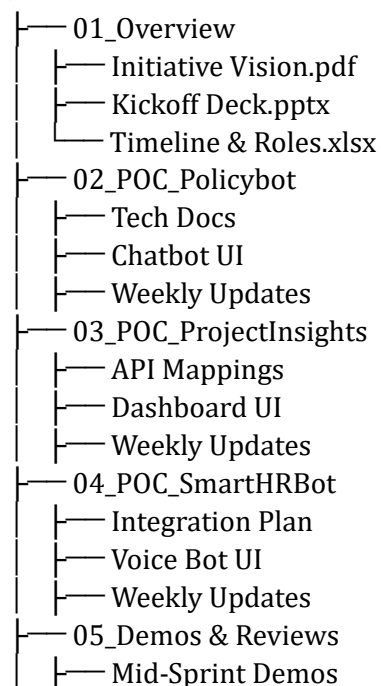
Project Insights Dashboard

- Scope: Natural language interface to query JIRA/Confluence data.

- July: JIRA/Confluence API setup, NL query engine

- August: Dashboard UI with filters and parsing

- September: Multi-project support, advanced query handling

- October: Final walkthrough, case study readiness

Smart HR Bot

- Scope: AI-powered recruitment bot that sources profiles, makes voice-based screening calls, conducts GPT-driven interviews, rates candidates, and schedules panel interviews.

- July: Resume parsing, sourcing pipeline, Twilio/voice setup, GPT prompt design

- August: Speech-to-text integration, scoring logic, call recording

- September: Sentiment tagging, panel coordination logic, calendar API

- October: End-to-end candidate flow demo, hiring scenario simulation

4. WorkDrive Folder Structure

📁 Project Pollen.AI – Bee Logical AI Wing (2025)
```
├── 01_Overview
│   ├── Initiative Vision.pdf
│   ├── Kickoff Deck.pptx
│   └── Timeline & Roles.xlsx
├── 02_POC_Policybot
│   ├── Tech Docs
│   ├── Chatbot UI
│   ├── Weekly Updates
├── 03_POC_ProjectInsights
│   ├── API Mappings
│   ├── Dashboard UI
│   ├── Weekly Updates
├── 04_POC_SmartHRBot
│   ├── Integration Plan
│   ├── Voice Bot UI
│   ├── Weekly Updates
├── 05_Demos & Reviews
│   ├── Mid-Sprint Demos
```

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|    └── Final Demos
├── 06_Learnings & Case Studies
|    ├── Postmortem Reports
|    ├── Blog Content
|    └── Future Ideas
```

5. Learning Topics (First 15 Days)

Policybot 2.0

- - LangChain basics & document loaders

- - Vector DBs (Pinecone, ChromaDB)

- - Retrieval-Augmented Generation (RAG)

- - Zoho Cliq Bot integration

Project Insights Dashboard

- - JIRA & Confluence API structure

- - Natural Language Query (NLQ) with GPT

- - Streamlit/React dashboards

- - LangChain agents for structured data

Smart HR Bot

- - Resume parsing (spaCy, PDF parsers)

- - LinkedIn/Indeed scraping/API basics

- - GPT-driven interview simulation & scoring

- - Voice call integration (Twilio, Kaleyra)

- - Speech-to-text (Whisper/AssemblyAI)

- - Sentiment analysis on responses

- - Google Calendar API integration