



Novus Solutions

Intelligent Automation Systems

PS11: AI-Driven Business Process Automation Platform

Businesses across industries still depend on manual workflows for operations such as approvals, reporting, follow-ups, and data entry, resulting in inefficiencies and higher operational costs. Develop an AI-powered automation platform that intelligently maps business processes, identifies repetitive tasks, and automates them with minimal human intervention. The system should use machine learning to optimize workflows over time and improve execution speed. It must integrate with commonly used enterprise tools and communication platforms. The product should deliver measurable productivity improvement and cost reduction.

Expected Output:

A fully functional SaaS platform with workflow builder, AI task optimizer, third-party integrations, analytics dashboard, and automation performance reports.

PS12: AI-Based Intelligent Data Extraction & Decision Engine

Organizations deal with large volumes of unstructured documents such as invoices, contracts, and reports that require manual validation and processing. Build an AI-powered document intelligence system capable of extracting structured data using OCR and NLP technologies. The solution should classify documents, validate key data fields, and trigger automated decision workflows. It must support multi-format inputs and provide confidence scoring for accuracy. The product should significantly reduce manual processing time and operational risk.

Expected Output:

A web-based AI engine with document upload interface, structured data extraction module, API access, validation dashboard, and automated workflow triggers.

PS13: AI-Powered Smart Customer Support Automation System

Small and mid-sized enterprises struggle to provide scalable customer support due to limited human resources. Create an AI-based customer support automation system that handles FAQs, ticket classification, and response suggestions using NLP. The system should escalate complex issues intelligently and analyze customer sentiment. It must integrate with websites, WhatsApp, and email systems. The product should improve response time, customer satisfaction, and operational efficiency.

Expected Output:

A deployable AI chatbot system with ticketing dashboard, sentiment analysis module, escalation logic, and support performance analytics.