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Coders, On Demand

AI Tool: AI Integrations for the wresa.org

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Overview

To implement AI-driven tools that elevate WRESA's digital offerings, automate support, and personalize educator experiences—allowing the organization to scale its impact while reducing manual work for staff.

Core Use Cases

PD Navigator Chatbot

A smart assistant that helps educators instantly:

- Find relevant workshops by subject, grade, or role ("Show me upcoming PD for middle school math")
- Register for events directly through a conversational interface
- Get automated calendar invites and reminders

Resource Retrieval Bot

An AI bot trained on WRESA's PDFs, blog posts, and resource library to answer:

- "Where can I find 3rd grade science pacing guides?"
- "What's the best workshop for new principals?"
- "Do you have STEM integration materials?"

Grant & Funding Opportunity Finder

An automation tool that:

- Matches users to eligible grants or funding based on district size, need, or project type
- Summarizes application requirements and deadlines
- Sends email alerts when new opportunities arise

District Support Automation

- Ticket-routing bot that detects request type (IT help, scheduling, vendor services, etc.) and routes to the correct team
- Tracks support history per district or school

Workshop Summary Generator

- Auto-transcribe and summarize recordings of past sessions
- Share key takeaways with attendees (or those who missed it)

Driver's Ed-Specific Enhancements

Student Registration Chatbot

AI chatbot helps parents and students:

- Check upcoming Driver's Ed session dates by location
- Determine eligibility and age requirements
- Start the sign-up process and receive automated confirmations

Knowledge Test Prep Assistant

- AI tool simulates quiz practice with real-time feedback using local DMV guidelines
- Can support multiple languages or reading levels

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- Tracks student progress and flags areas needing attention

Automated Parent Communication

Sends reminders for:

- Behind-the-wheel session times
- Permit/license deadlines
- Required forms or payment due dates
- Delivered via email or SMS, powered by automation tools like Twilio or Mailchimp

Instructor & Site Coordination

Internal dashboard using AI automation to:

- Track instructor availability and match them to upcoming sessions
- Flag scheduling conflicts or low enrollment risks
- Generate class rosters and attendance summaries

Tech Stack

- ChatGPT API (custom trained on WRESA content)
- Whisper AI for transcribing sessions
- Notion or Airtable as a knowledge base or form handler
- Zapier/Make for Google Calendar + form + email automations
- Tally or Typeform for smarter registration forms
- Twilio or Mailchimp for Driver's Ed SMS/email alerts

Benefits & Outcomes

- 24/7 intelligent front desk for educators, families, and school staff
- Reduces staff question volume by 40–60%
- Increases workshop and Driver's Ed session sign-ups through guided workflows
- Minimizes missed communications or paperwork delays for Driver's Ed

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- Empowers WRESA to serve more districts without adding admin overhead