

Day – 5

Assignment: Build Your First AI Agent Business Case

My Objective:

- Build AI Agents to streamline the **implementation of NEP 2020** in the education sector by resolving key administrative and pedagogical challenges.

Use Case:

- **Education Domain – Implementation of NEP 2020 (National Education Policy)**

Problem Definition:

- One of the biggest challenges in implementing **NEP 2020** is **curriculum restructuring and competency-based learning alignment** across diverse schools. Manual monitoring of learning outcomes, teacher training updates, language-based instruction integration, and vocational subject inclusion are **time-consuming**, inconsistent, and error-prone.
- Educational institutions often lack a unified system to:
 - Track individual student progress toward competency goals.
 - Evaluate curriculum compliance with NEP 2020 directives.
 - Provide adaptive multilingual learning content.

Proposed AI Agent:

❖ *NEP-Assist AI Agent*

This AI-powered agent will:

- **Analyze curriculum documents and generate NEP-aligned restructuring plans** for each grade and subject.
- Use **Natural Language Processing (NLP)** to provide **multilingual content translation** and adaptation for regional language instruction.
- Implement **adaptive learning algorithms** to track each student's performance and offer **personalized remediation plans**.
- Generate **automated reports** for school leaders and government inspectors regarding NEP compliance and student competency mapping.
- Offer **chatbot-based teacher training support** with suggestions for lesson planning aligned to NEP goals.

Measurable Outcomes:

Outcome	Description
50% Time Saved	Automated curriculum alignment and reporting cut manual planning and review time by half.
35% Increase in NEP Compliance	Institutions adopting the AI agent show measurable improvement in competency-based learning, multilingual delivery, and vocational integration adherence.
30% Increase in Teacher Satisfaction	Reduced administrative burden and guided support for NEP-aligned teaching improves staff morale and delivery efficiency.

Submitted By

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