

ANEETA - Agents for National Eligibility Entrance Test Assistance

ANEETA (Agents for National Eligibility Entrance Test Assistance) is a comprehensive multi-agent system tailored to support NEET-UG aspirants in their preparation journey. Developed with a vision to empower underprivileged and underserved students, ANEETA delivers high-quality, accessible, and multilingual NEET training, all while running entirely offline on local hardware.

System Overview:

ANEETA leverages local LLMs (Gemma 3n via Ollama) and is designed as part of the Kaggle x Google - The Gemma 3n Impact Challenge by Jim Harrington and Jabin Joshua.

The system comprises the following intelligent agents:

- Mentor Agent: Provides general guidance to candidates, including creating awareness about the exam, helping identify high-priority topics, and offering preparation strategies.
- Teacher Agent: Answers subject-specific questions in Biology, Physics, and Chemistry using the official NCERT textbooks as its primary reference source, ensuring curriculum alignment.
- Doubt Solver Agent: Specializes in solving MCQs from past NEET papers. It offers detailed explanations to help students understand the logic behind each answer.
- Trainer Agent: Utilizes a curated three-year solved NEET question bank to craft custom quizzes based on user-selected topics. It explains solutions thoroughly and adapts responses to support deep understanding.

Multilingual Support:

All responses are available in English and translated into major regional languages:

- Tamil
- Hindi
- Bengali
- Telugu

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- Marathi

Key Highlights:

- Fully local deployment: No internet required
- Powered by Gemma 3n via Ollama
- Designed for equity and inclusion in education
- Focused on NEET UG, India's premier medical entrance exam

Learn more or contribute:

<https://github.com/jimdatapro/ANEETA>