

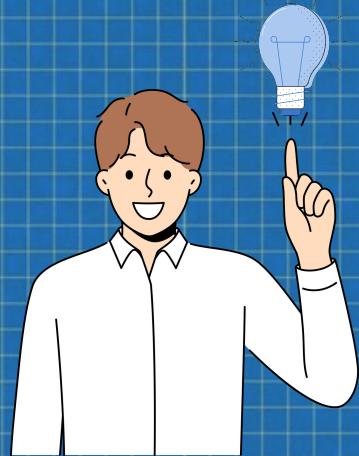
BENi



AI DASHBOARD

Idea Summary:

The BENi AI Dashboard is an intelligent, multifunctional web based platform designed to simplify and enhance daily tasks for users. Whether you're a student, educator, or professional, BENi AI is your go-to companion for managing conversations, generating questions, analysing documents, and more. It seamlessly integrates into your workflow, providing instant support and enhancing productivity through its diverse functionalities.



The BENi AI Dashboard project integrates OpenAI's GPT-3.5-turbo model for advanced NLP capabilities, Flask for a robust backend, and HTML, CSS, JavaScript, and Bootstrap for a responsive frontend. Python libraries handle various file formats, enabling efficient content extraction and analysis. This combination ensures a powerful, user-friendly platform capable of meeting diverse user needs.

Capabilities:

- **Conversational AI:**

Engage in meaningful and context-aware conversations, providing instant answers and support.

- **Question Maker:**

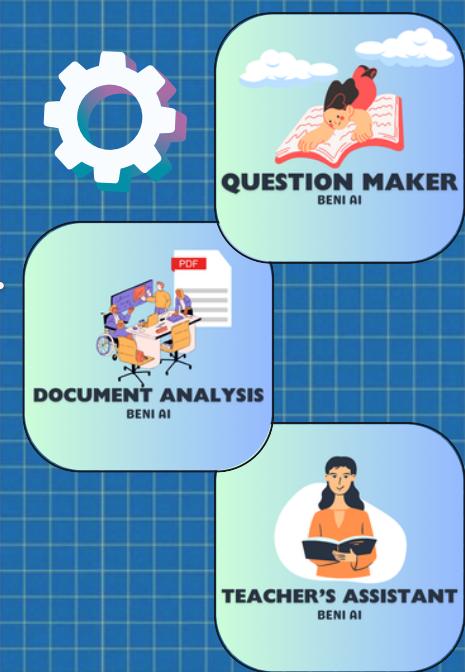
Generate thoughtful and relevant questions for quizzes, exams, or discussions, enhancing the learning experience.

- **Document Analysis:**

Upload and analyse documents to extract key points, summaries, and insights, making information easily digestible.

- **Teacher Assistant:**

Aid educators by organising class activities, creating schedules, and managing classroom tasks.



How It Works:

- **USER INTERACTION:**

Users interact with the AI through a chat interface. They can type messages, upload documents, or ask for specific tasks.



- **BACKEND PROCESSING:**

The server receives these inputs and processes them using pre-trained NLP models. The system is designed to understand the context and provide accurate responses.

- **REAL-TIME RESPONSE:**

THE AI GENERATES RESPONSES OR OUTPUTS (LIKE DOCUMENT SUMMARIES OR QUESTIONS) AND SENDS THEM BACK TO THE USER INTERFACE.

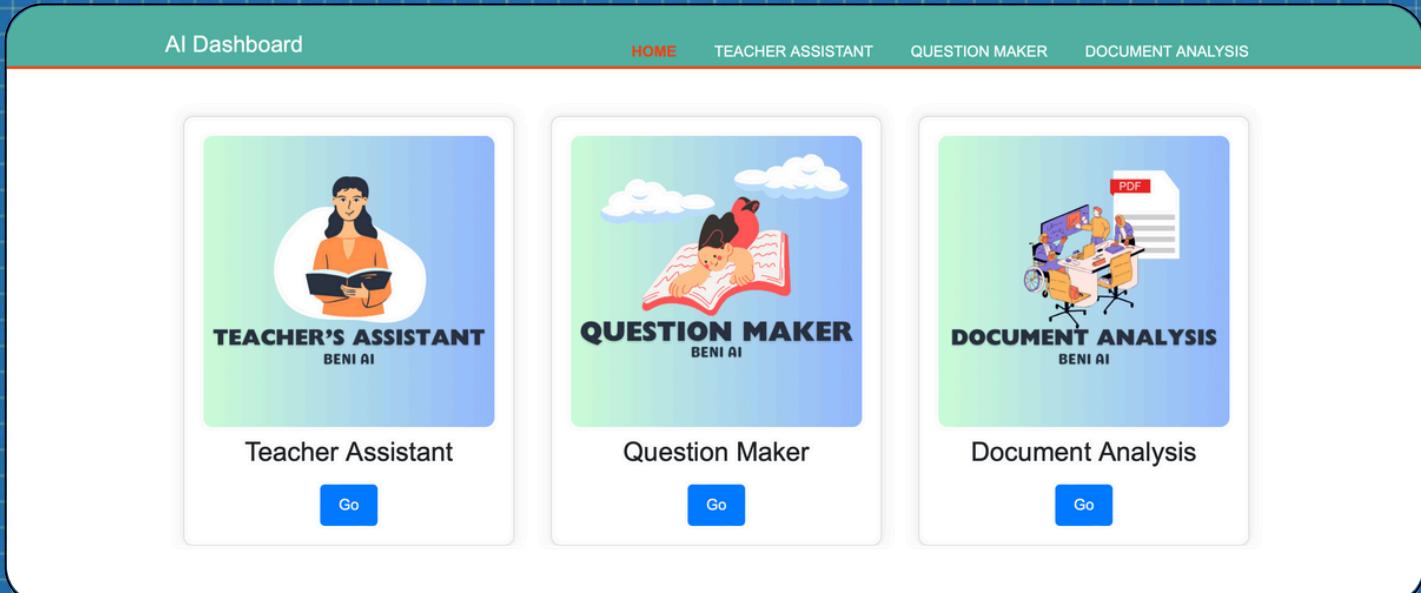


- **DOCUMENT HANDLING:**

WHEN A DOCUMENT IS UPLOADED, IT IS READ AND PROCESSED TO EXTRACT TEXT CONTENT. THE AI THEN ANALYSES THIS CONTENT TO PROVIDE SUMMARIES OR INSIGHTS.



WORKING WEBAPP –



The screenshot shows the BENI AI Dashboard interface. At the top, there is a navigation bar with tabs: HOME, TEACHER ASSISTANT, QUESTION MAKER, and DOCUMENT ANALYSIS. Below the navigation bar are three service cards, each with a title, a small icon, and a 'Go' button.

- TEACHER'S ASSISTANT** BENI AI: Shows an icon of a teacher holding a book. Below the card, it says "Teacher Assistant" and has a blue "Go" button.
- QUESTION MAKER** BENI AI: Shows an icon of two students working on a large document. Below the card, it says "Question Maker" and has a blue "Go" button.
- DOCUMENT ANALYSIS** BENI AI: Shows an icon of a person at a desk with a computer monitor displaying a document. Below the card, it says "Document Analysis" and has a blue "Go" button.

Teacher Assistant

HOME TEACHER ASSISTANT QUESTION MAKER DOCUMENT ANALYSIS

Teacher Assistant Bot

can you please explain me the concept of Laws of motion and tell me what are the Fundamental forces in nature according to class 11 CBSE in short

Certainly! The Laws of Motion, proposed by Sir Isaac Newton, consist of three fundamental principles: 1. **First Law (Law of Inertia):** An object at rest stays at rest, and an object in motion continues in motion with the same speed and in the same direction unless acted upon by an external force. 2. **Second Law (Law of Acceleration):** The acceleration of an object is directly proportional to the net force acting on it and inversely proportional to its mass. 3. **Third Law (Action-Reaction Law):** For every action, there is an equal and opposite reaction. The fundamental forces in nature according to Class 11 CBSE Physics are: 1. **Gravitational Force:** The force of attraction between two masses. 2. **Electromagnetic Force:** The force responsible for electric and magnetic interactions. 3. **Weak Nuclear Force:** Responsible for radioactive decay processes. 4. **Strong Nuclear Force:** Responsible for holding the nucleus of an atom together.

can you please share some interesting activities to teach this concept in class

Certainly! Here are some interesting activities to teach the concept of Laws of Motion to students in class: 1. **Balloon Rocket:** Use a balloon-powered car to demonstrate Newton's Third Law. As the air rushes out of the balloon, it propels the car forward in the opposite direction. 2. **Egg Drop Experiment:** Have students design containers to protect a raw egg from breaking when dropped from a certain height. This activity demonstrates the concept of inertia and impact forces. 3. **Tug of War:** Organize a tug of war activity to illustrate Newton's First Law. Discuss how an object at rest (or in motion) will stay that way unless acted upon by an external force. 4. **Marshmallow Catapult:** Build simple catapults with popsicle sticks and rubber bands to show how force and acceleration are related, following Newton's Second Law. 5. **Roller Coaster Design:** Have students design roller coasters with loops and curves to understand how forces like gravity and acceleration interact in real-life scenarios. These hands-on activities can engage

Type your message... Send

Question Maker

HOME TEACHER ASSISTANT QUESTION MAKER DOCUMENT ANALYSIS

Question Maker Bot

Please make some practice questions on tenses and verbs for Class 10 CBSE

Absolutely! Here are some practice questions on tenses and verbs for Class 10 CBSE: 1. **Fill in the blanks with the correct form of the verb in parentheses:** a. She _____ (study) for her exams all day yesterday. b. By next week, they _____ (complete) the project. c. I _____ (not, see) that movie yet. d. The sun _____ (rise) in the east every morning. 2. **Identify the tense of the underlined verb in the following sentences:** a. She will be singing at the concert tomorrow. b. They have been waiting for the bus for over an hour. c. He had finished his homework before dinner. d. The birds are chirping in the trees outside. 3. **Rewrite the following sentences in the correct tense:** a. I eat lunch at 1 p.m. every day. (Present Continuous) b. She will travel to Paris next month. (Past Continuous) c. They have visited that museum before. (Present Perfect) d. We were playing football when it started raining. (Future Continuous) These practice questions

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Document Analysis

HOME TEACHER ASSISTANT QUESTION MAKER DOCUMENT ANALYSIS

Document Analysis Bot

From this PDF can you tell me what is the question 9 here

Question 9 from the provided document is as follows: Let A = {n : n is a square of a natural number and n is less than 100} and B is a set of even natural numbers. What is the cardinality of A ∩ B? (A) 4 (B) 5 (C) 9 (D) None

can you tell me the correct answer and how to solve it ?

The correct answer to question 9 is: (A) 4 To solve this question, we need to find the intersection of sets A and B. Set A is defined as {n : n is a square of a natural number and n is less than 100}. Set B is a set of even natural numbers. For set A: - The squares of natural numbers less than 100 are: 1, 4, 9, 16, 25, 36, 49, 64, 81. - These are the squares of the natural numbers 1, 2, 3, 4, 5, 6, 7, 8, and 9. For set B: - Even natural numbers are numbers like 2, 4, 6, 8, etc. The intersection of sets A and B will be the numbers that are both squares of natural numbers and even. The numbers that satisfy this condition are 4. Therefore, the cardinality of A ∩ B is 4, which means there are 4 elements in the intersection of sets A and B.

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