

AIML Project

TITLE: MACHINE LEARNING MODEL FOR ACADEMIC PORTAL

TEAM – 07

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Section - 2B

Problem Statement: Students often need a fast and efficient way to access academic information, such as exam schedules, results, and course details, without having to search through multiple portals or make in-person visits. A machine learning model can be developed to serve as a virtual assistant on an academic portal, understanding and responding to students' questions. This model will use neural networks to interpret queries and provide quick, accurate answers, making it easier for students to find the information they need.

Explanation: In today's educational environment, students often struggle to access important academic information like exam schedules, results, and course details due to the need to navigate multiple platforms or make in-person visits. To address this challenge, a machine learning model can be developed to serve as a virtual assistant within an academic portal, providing quick and accurate responses to students' queries. By simplifying the process of information retrieval, this model enhances the overall user experience, making academic resources more accessible and efficient for students, and ultimately contributing to a more organized educational environment.

Algorithm: (Neural Networks)

The neural network algorithm enables the virtual assistant to accurately understand and respond to students' queries by learning and recognizing patterns in natural language. This allows the model to provide precise, context-aware answers, making the academic portal more reliable and efficient. As the neural network learns from new data, the model continues to improve, ensuring that it remains responsive and effective in meeting students' needs.

Student Query Data: [dataset.xlsx](#)

This model leverages neural network algorithms to interpret and respond to queries in natural language. By analysing student query data from KI ERP, the model provides accurate and contextually relevant answers, streamlining the process of information retrieval.

Referred Web Info:

- [AI in Education: How School Districts Can Use Artificial Intelligence | EdTech magazine](#)
- [How generative AI can improve knowledge management | TechTarget](#)