



MGM'S College of Engineering, Nanded

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

“ZERO-SHOT DISEASE PREDICTION SYSTEM USING NATURAL LANGUAGE PROCESSING”

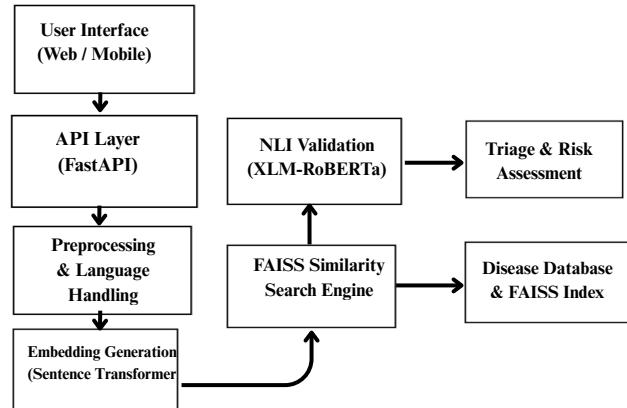
Name of Student's : 1. Pruthviraj Tarode 2. Mayur Narwade 3. Vedant Karodkar 4. Shubham Kunturwar

Name of the Guide : Ms. Nitu L. Pariyal

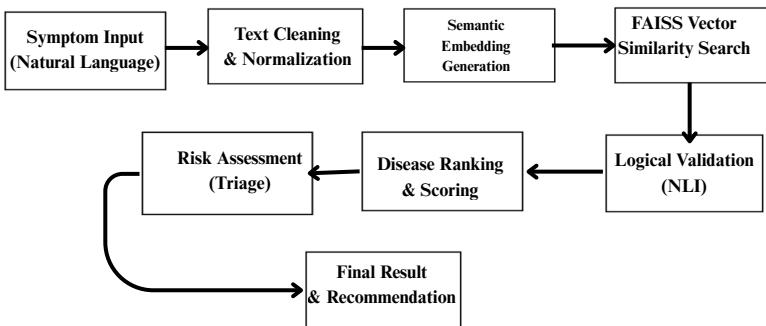
Academic Year : 2025- 2026

Introduction: Healthcare systems often struggle to understand symptoms described in natural, informal, or multilingual language. This project presents a Zero-Shot Disease Prediction System that uses Natural Language Processing (NLP) to analyze free-text symptom inputs without disease-specific training. By leveraging semantic similarity and logical validation, the system delivers fast, accurate, and user-friendly early medical guidance.

System Architecture:



Methodology:



Conclusion: The Zero-Shot Disease Prediction System applies NLP and zero-shot learning to predict diseases from natural language symptoms without prior training. It provides real-time medical guidance with multilingual support, making it suitable for practical and flexible healthcare applications.

Maps to:	Name of Student	Name of Guide
PO-1 to PO-6,	Mr. Pruthviraj Tarode	
PO-10, PO-12	Mr. Mayur Narwade	
PSO-1, PSO-2,	Mr. Vedant Karodkar	
PSO-3	Ms. Nitu L. Pariyal	
	Mr. Shubham Kunturwar	