

# Generative AI Chatbot using ChatGPT

Dr. Lowlesh Yadav<sup>1</sup>, Prof. Shubhkirti Bodhke<sup>2</sup>, Shubhangi Shankar Dhote<sup>3</sup>, Papita Amrut Khadse<sup>4</sup>,  
Samiksha Ravi Bagde<sup>5</sup>, Masoom Jitendra Warade<sup>6</sup>

Head of Department, Department of Computer Science and Engineering<sup>1</sup>

Guide, Department of Computer Science and Engineering<sup>2</sup>

Students, Department of Computer Science and Engineering<sup>3,4,5,6</sup>

Abha Gaikwad-Patil College of Engineering, Nagpur, Maharashtra, India

**Abstract:** *This paper presents the development of an intelligent chatbot system using generative AI powered by ChatGPT. The system is designed to facilitate natural and context-aware interactions with users through a web interface. Leveraging the capabilities of OpenAI's language model, the chatbot is capable of engaging in dynamic conversations. The architecture of the chatbot integrates front-end and back-end technologies to manage user queries and responses efficiently. The study evaluates the chatbot's conversational quality and usability across multiple domains. The findings suggest that generative models like ChatGPT can significantly enhance user experience in digital communication tools.*

**Keywords:** Generative AI, Chatbot, ChatGPT

