

Artificial Intelligence Healthcare Chatbot System (Medimate-AI)

Safwan Bebal¹, Muzakkir Siddique², Nazneen Pinjari³, Danish Fakira⁴, Shrinidhi Gindi⁵

Students, Department of Information Technology^{1,2,3,4}

Assistant Professor, Department of Information Technology⁵

M. H. Saboo Siddik College of Engineering, Byculla, Mumbai, India

¹safwan.612014.it@mhssce.ac.in, ³nazneen.612042.it@mhssce.ac.in, ⁴danish.612017.it@mhssce.ac.in,

²muzakkir.612058.it@mhssce.ac.in, ⁵shrinidhi.gindi@mhssce.ac.in

Abstract: *With the increasing population of India, increasing birth rate and decreasing death rate due to advancement in the medical field, it's found that the number of doctors is less to serve the needs of the increasing population. This scenario can be better understood while walking through the city's government hospitals where the less availability of the doctors is the major cause behind the improper treatment of the patients and in certain scenarios the resultant death. To encounter such cases there is a need for the smart and Intelligent chatbot who can provide advice to the doctors and sometimes even patients about what to do in such cases which ultimately results in saving the life of hundreds of people. The AI based medical chatbot (Medimate-AI) on which this research topic is based deals with providing medical. The Medimate-AI interact with potential patients visiting the site, assisting them with finding specialists and getting them admittance to the right treatment*

Keywords: Generative AI, Natural Language Processing (NLP), Large Language Models (LLMs), Healthcare AI, chatbot, disease, symptoms