

(54) Title of the invention : A SMART IOT BASED VIRTUAL DOCTOR ROBOT

<p>(51) International classification :G16H0050200000, G16H0080000000, G16H0040670000, G16H0050300000, G16H0010600000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Mr. Chavala Mutyala Rao, Maulana Azad National Urdu University, Near LNT Towers, Telecom Nagar, Gachibowli, Hyderabad, Telangana 500032 Address of Applicant :Maulana Azad National Urdu University, Near LNT Towers, Telecom Nagar, Gachibowli, Hyderabad, Telangana 500032 -----</p> <p>2)Mr. Mahan K</p> <p>3)Ms. Kavya</p> <p>4)Dr. N. Ramchandra</p> <p>5)Mrs. Suma Deepthi Veeraganti</p> <p>6)Dr. B. Mabu Sarif</p> <p>7)Dr. Pallav Rawal</p> <p>8)Dr. Jayprakash Vijay</p> <p>9)Ms. Parankusham Priyanka</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Mr. Chavala Mutyala Rao, Maulana Azad National Urdu University, Near LNT Towers, Telecom Nagar, Gachibowli, Hyderabad, Telangana 500032 Address of Applicant :Maulana Azad National Urdu University, Near LNT Towers, Telecom Nagar, Gachibowli, Hyderabad, Telangana 500032 -----</p> <p>2)Mr. Mahan K Address of Applicant :HACK BOAT, Chenchu Guda, Kukatpally, Hyderabad, Telangana 500072 -----</p> <p>3)Ms. Kavya Address of Applicant :St. Martin's Engineering College,Dhulapally, Kompally, Secunderabad,Telangana, 500100,India. -----</p> <p>4)Dr. N. Ramchandra Address of Applicant :St. Martin's Engineering College,Dhulapally, Kompally, Secunderabad,Telangana, 500100,India. -----</p> <p>5)Mrs. Suma Deepthi Veeraganti Address of Applicant :G.Narayanamma Institute of technology and science for women, Shaikpet, Hyderabad, Telangana,500104,India. -----</p> <p>6)Dr. B. Mabu Sarif Address of Applicant :Mallareddy Engineering College And Management Sciences ,Kistapur Village, Medchal, Mandal, Telangana 501401 -----</p> <p>7)Dr. Pallav Rawal Address of Applicant :Swami Keshvanand Institute of Technology, Management And Gramothan, Jaipur,Rajasthan ,302017. -----</p> <p>8)Dr. Jayprakash Vijay Address of Applicant :Swami Keshvanand Institute of Technology, Management & Gramothan, Jagatpura, Jaipur, Rajasthan, India-302017 -----</p> <p>9)Ms. Parankusham Priyanka Address of Applicant :St. Martin's Engineering College,Dhulapally, Kompally, Secunderabad,Telangana, 500100,India. -----</p>
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(57) Abstract :

The SMART IoT-based virtual doctor robot presents a groundbreaking solution at the intersection of healthcare, robotics, and advanced technology. This innovative system integrates IoT sensors, artificial intelligence algorithms, robotics, and natural language processing to offer remote medical consultations and assistance. Leveraging IoT capabilities, the virtual doctor robot collects real-time patient data, while AI algorithms analyze this data to generate accurate diagnoses and personalized treatment recommendations. With robotics technology, the system engages in autonomous or semi-autonomous interactions with patients, facilitated by natural language processing for intuitive communication. This platform enhances healthcare accessibility by providing scalable and accessible remote consultations, overcoming geographical barriers. The SMART IoT-based virtual doctor robot embodies a transformative approach to healthcare delivery, promising improved patient outcomes and revolutionized healthcare access.

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