

(54) Title of the invention : MEDICAL DIAGNOSIS USING ARTIFICIAL INTELLIGENCE

<p>(51) International classification :G16H008000000, G16H0040670000, G16H0010600000, G16H0050200000, G06F0016270000</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 : 1)DR.K.KALAIVANI Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING, ESWARI ENGINEERING COLLEGE, BHARATHI SALAI, RAMAPURAM, CHENNAI-600089, TAMILNADU, INDIA -----</p> <p>2)Dr.G.BABU 3)K,NANDINI 4)Dr.R.KAYALVIZHI 5)DR S. SATHISH 6)DR.M.NEELA HARISH 7)B. LAKSHMI SHREE Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)DR.K.KALAIVANI Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING, ESWARI ENGINEERING COLLEGE, BHARATHI SALAI, RAMAPURAM, CHENNAI-600089, TAMILNADU, INDIA -----</p> <p>2)Dr.G.BABU Address of Applicant :HEAD OF THE DEPARTMENT, DEPARTMENT OF BIOMEDICAL ENGINEERING, EASWARI ENGINEERING COLLEGE, BHARATHI SALAI, RAMAPURAM, CHENNAI-600089, TAMILNADU, INDIA -----</p> <p>3)K,NANDINI Address of Applicant :ASSISTANT PROFESSOR, ROBOTICS AND AUTOMATION,EASWARI ENGINEERING COLLEGE, BHARATHI SALAI, RAMAPURAM, CHENNAI-600089, TAMILNADU, INDIA -----</p> <p>4)Dr.R.KAYALVIZHI Address of Applicant :ASSISTANT PROFESSOR, ROBOTICS AND AUTOMATION,EASWARI ENGINEERING COLLEGE, BHARATHI SALAI, RAMAPURAM, CHENNAI-600089, TAMILNADU, INDIA -----</p> <p>5)DR S. SATHISH Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF BIOMEDICAL ENGINEERING, EASWARI ENGINEERING COLLEGE, BHARATHI SALAI, RAMAPURAM, CHENNAI-600089, TAMILNADU, INDIA -----</p> <p>6)DR.M.NEELA HARISH Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF BIOMEDICAL ENGINEERING, EASWARI ENGINEERING COLLEGE, BHARATHI SALAI, RAMAPURAM, CHENNAI-600089, TAMILNADU, INDIA -----</p> <p>7)B. LAKSHMI SHREE Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF BIOMEDICAL ENGINEERING, EASWARI ENGINEERING COLLEGE, BHARATHI SALAI, RAMAPURAM, CHENNAI-600089, TAMILNADU, INDIA -----</p>
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(57) Abstract :

This invention presents a novel AI-powered medical assistant system designed to empower patients and improve access to initial medical consultations. The system analyzes patient data (symptoms, medical history) against a comprehensive medical knowledge base. It utilizes a chosen AI technique (e.g., heuristic search or neural network) to suggest potential diagnoses ranked by probability. This invention goes beyond basic diagnosis by offering temporary relief recommendations using natural remedies. Additionally, the system locates nearby specialist doctors relevant to the suspected condition, providing vital details like contact information and GPS guidance. This empowers patients to make informed decisions about their healthcare and seek appropriate specialist consultations when necessary. This AI-powered assistant system addresses the gap in existing solutions by offering a holistic approach to initial consultations. It facilitates faster access to potential diagnoses, empowers patients with temporary relief options, and connects them with relevant specialists. This can potentially lead to earlier interventions and improved healthcare outcomes.

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