Patent Search

Invention Title	IMPLEMENTATION OF ARTIFICIAL INTELLIGENCE IN HUMAN-ROBOT COMMUNICATION
Publication Number	36/2021
Publication Date	03/09/2021
Publication Type	INA
Application Number	202141038197
Application Filing Date	24/08/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06Q0030060000, G06N0003000000, G10L0015220000, B25J0013000000, G09B0007000000

Inventor

Name	Address	Country
Dr. Yalla Venkateswarlu	Professor, Computer Science Engineering, International School of Technology and Sciences for Women, Rajahnagaram, NH-16, East Godavari District-533294, Andhra Pradesh, India.	India
Dr. Suryanarayana Ravada	Professor, Department of Mathematics, Vishnu Institute of Technology, Bhimavaram, Ewst Godavari-Dist, Andhra Prades , Inida.	India
Dr. Rajveer Shastri	Professor, Dept. of E&TC Engineering, Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati, India 413133.	India
Dr. Pawan Kumar Sharma	Chief Information Security Officer Corporate Information Technology Tata Motors Ltd, 3rd Floor, Teen Hath Naka, Near GyanSadhna College, Thane-West, Mumbai 400706.	India
Dr Mohamed Yacoab	Assistant Professor, Department of Information Technology, The New College (Autonomous), No 87, Peters Road, Royapettah, Chennai 600014.	India
Dr. V. J. Chakravarthy	Assistant Professor, P G Department of Computer Science, The New College, 147, Peters Road, Royapettah, Chennai 600014.	India
Dr.A.Mohamed Mustaq Ahmed	Assistant Professor, Department of Information Technology, The New College, 147, Peters Road, Royapettah, Chennai 600014.	India

Applicant

Name	Address	Country
Dr. Yalla Venkateswarlu	Professor, Computer Science Engineering, International School of Technology and Sciences for Women, Rajahnagaram, NH-16, East Godavari District-533294, Andhra Pradesh, India.	India
Dr. Suryanarayana Ravada	Professor, Department of Mathematics, Vishnu Institute of Technology, Bhimavaram, Ewst Godavari-Dist, Andhra Prades , Inida.	India
Dr. Rajveer Shastri	Professor, Dept. of E&TC Engineering, Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering & Technology, Baramati, India 413133.	India
Dr. Pawan Kumar Sharma	Chief Information Security Officer Corporate Information Technology Tata Motors Ltd, 3rd Floor, Teen Hath Naka, Near GyanSadhna College, Thane-West, Mumbai 400706.	India
Dr Mohamed Yacoab	Assistant Professor, Department of Information Technology, The New College (Autonomous), No 87, Peters Road, Royapettah, Chennai 600014.	India
Dr. V. J. Chakravarthy	Assistant Professor, P G Department of Computer Science, The New College, 147, Peters Road, Royapettah, Chennai 600014.	India
Dr.A.Mohamed Mustaq Ahmed	Assistant Professor, Department of Information Technology, The New College, 147, Peters Road, Royapettah, Chennai 600014.	India

Abstract:

ABSTRACT Machine does the task alone when commands are given but human can do the work by analyzing the situation also. When a robot programmed with hum coding, it can also perform task by analyzing and computing the situation. This artificial intelligence is deployed in various fields like entertainment, self driving car, ga learning, proctoring, e-commerce, etc., where computation and decision making are required at some critical point. The performance of the task action is better for a they are deployed in an artificial intelligence. An input signal can be given in the form of touch, audio and visual signal. The information is processed and the desired extracted by feature extraction. Next, task is recognized and task is allocated by machine learning geodesic clustering to perform task. The task is done and the statu is sent to the user by smart devices.

Complete Specification

Claims:
We Claim that:
1. High speed internet connection to perform computing and communication between the sender and robot.
2. A touch electronic sensor detects the touch physical signal to gather information to process.
3. A sound sensor detects the signal through sound waves from the sender.
4. Visual sensor with a camera captures the sign signal or any visual movement.
5. A high end computer system process the information gathered as an input signal.
6. Feature extraction extracts desired features from the touch, audio and visual signals that was processed.
7. Task recognition to allocate task for each part of the robot to operate.

View Application Status