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(71)**Name of Applicant :**
1)Dr. G. Ramasubba Reddy
Address of Applicant :Professor, Sai Rajeswari Institute of Technology, Lingapuram, Proddatur, kadapa, Andhra Pradesh, India Pin code: 516360. ---------- ----------
2)Dr. M. Pradhap
3)Abhinav Vidwans
4)Dr. Jaspreet Kaur Dr. Kanika
5)Dr. Kanika
6)Dr. Santosh Kumar Agrawal
7)Mr. Deen Mohammad
8)Kalpana R A
9)Dr. D. Nethra Pingala Suthishni
10)Arvind Sharma
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. G. Ramasubba Reddy
Address of Applicant :Professor, Sai Rajeswari Institute of Technology, Lingapuram, Proddatur, kadapa, Andhra Pradesh, India Pin code: 516360. ---------- ----------
2)Dr. M. Pradhap
Address of Applicant :Assistant Professor, Department of Zoology, Deputed from Annamalai University, Chidambaram 02, Arignar Anna Government Arts College, Mohanur Road, Namakkal -02, Tamilnadu, India ---------- ----------
3)Abhinav Vidwans
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, IPS CTM Gwalior, IPS GOC campus Shivpuri link road, Gwalior, Madhya Pradesh, India ---------- ----------
4)Dr. Jaspreet Kaur Dr. Kanika
Address of Applicant :Professor and Dean, Department of Computer Science and Engineering, Gulzar Group of Institutions, GT Road, Khanna, Ludhiana, Punjab, India ---------- ----------
5)Dr. Kanika
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, SRM Institute of Science and Technology, NCR Campus, Modinagar, Ghaziabad-201204, Uttar Pradesh, India ---------- ----------
6)Dr. Santosh Kumar Agrawal
Address of Applicant :Assistant Professor, Department of Zoology, Govt. E. Raghavendra Rao Science P.G. College, Bilaspur, Chhattisgarh, India, Pincode 495006 ---------- ----------
7)Mr. Deen Mohammad
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Hi-Tech Institute of Engineering and Technology, Ghaziabad, Uttar Pradesh, India ---------- ----------
8)Kalpana R A
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Sri Sai Ram Engineering College, Chennai - 44, Kancheepuram, Tamilnadu, India ---------- ----------
9)Dr. D. Nethra Pingala Suthishni
Address of Applicant :Assistant Professor, Department of Information Technology, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil nadu, India ---------- ----------
10)Arvind Sharma
Address of Applicant :Assistant Professor, Department of Computer Science Engineering, Modern Institute of Technology and Research Centre, Village Jharkhera, Sirmoli Road, 6th Mile Stone, Tijara Road, Alwar, Rajasthan, India ---------- ----------

(57) Abstract :
Artificial Intelligence and IoT based Automatic smart Health care system to prevent and predict the chances of getting chronic gastrointestinal disorders and chronic cancer using Image processing and Deep Learning Algorithms ABSTRACT: The Internet of Things and the cloud make our lives easier by maintaining constant connection between us and our devices. With the introduction of increasingly complicated AI and machine learning techniques, predictive analytics in the medical field can assist the healthcare industry in changing from a reactive to a proactive mode. This is now possible because of "big data." Deep learning is a type of machine learning that has the potential to greatly enhance the speed and accuracy with which we can analyse large amounts of data, acquire new knowledge, and solve complex problems. It is crucial to be able to predict diseases accurately and in a timely manner so that those at risk can obtain preventative therapy and help without delay. As the use of electronic health records becomes more prevalent, it is crucial to apply deep learning techniques, such as recurrent neural networks, that can manage sequential time-series data. This is because EHRs require the creation of increasingly precise prediction models. The proposed system employs IoT device data to perform predictive analytics on a patient's cloud-stored electronic clinical data that is related to the patient's medical history. Bi-LSTM is the intelligence underlying a health care system that monitors and predicts the risk of heart disease.

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