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(54) Title of the invention : Adaptive Neural Network Framework for Real-Time Data Analytics in Smart Cities			
(51) International classification :G06F0018232130, H04L0005000000, H02G0003040000, A63B0071060000, A61P0037000000 (86) International Application No :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA (62) Divisional to Application Number :NA Filing Date :NA		(71)Name of Applicant : 1)St. Peter's Engineering College Address of Applicant :St. Peter's Engineering College, Opp. Forest Academy, Kompally Road, Dullapally, Maisammaguda, Medchal, Hyderabad - 500100, Telangana, India. Hydearabad ----- Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Munni Shaik Address of Applicant :Assistant Professor, Department of Information Technology, Malla Reddy University, Opp to Forest Academy, Maisammaguda, Medchal, Dhulapally, Kompally, Hyderabad-500100, Telangana,India Hyderabad ----- 2)Mr.S.Veerabdraiah Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, St. Peter's Engineering College, Opp to Forest Academy, Maisammaguda, Medchal, Dhulapally, Kompally, Hyderabad-500100, Telangana,India Hyderabad ----- 3)Mrs. V. Prema Latha Address of Applicant :Asst. Professor of CSE(AI&ML) Siddhartha Institute of Engineering and Technology, Vinobha Nagar, Ibrahimpatnam, R.R. Dist-501506, Telangana, India . Hyderabad ----- 4)Mr.Tatiraju.V.Raj anikanth Address of Applicant :Senior Manager,TVR Consulting Services Private Limited ,4-79/C/201,Splendour Apartment, Mettukaniguda, Gajularamaram, Medchal Malkangiri District, Hyderabad-500055,Telangana,India Hyderabad ----- 5)Mr.Roger Jeess Smith T Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, St. Peter's Engineering College, Opp to Forest Academy, Maisammaguda, Medchal, Dhulapally, Kompally, Hyderabad-500100, Telangana,India Hyderabad ----- 6)Mrs.Ch.Lakshmi Address of Applicant :Assistant Professor, Department of Electrical and Electronics Engineering, Guru Nanak Institutions Technical Campus(GNITC), Hyderabad, Telangana, India Hyderabad ----- 7)Dr.B.Bhaskar Reddy Address of Applicant :Professor of ECE and Dean IQAC, St. Peter's Engineering College, Opp. Forest Academy, Kompally Road, Dullapally, Maisammaguda, Medchal, Hyderabad - 500100, Telangana, India. Hyderabad ----- 8)Mr.R.Anand Reddy Address of Applicant :Assistant Professor, Department of CSE, SRIT Engineering College (Autonomous), Rotarypuram Village, B.K.Samudram Mandal, Ananthapuramu- 515701, Andhra Pradesh, India. Anantapur --- 9)Dr.Amjan Shaik Address of Applicant :Professor of CSE and Dean R&D Cell, St. Peter's Engineering College, Opp. Forest Academy, Kompally Road, Dhulapally, Maisammaguda, Medchal, Hyderabad - 500100, Telangana, India. Hyderabad ----- 10)Mrs.C.Soumi Address of Applicant :Assistant Professor, Department of CSE, St. Peter's Engineering College, Opp. Forest Academy, Kompally Road, Dhulapally, Maisammaguda, Medchal, Hyderabad - 500100, Telangana, India. Hyderabad -----	
(57) Abstract : Adaptive Neural Network Framework for Real-Time Data Analytics in Smart Cities Smart cities leverage real-time data analytics to improve urban management and enhance the quality of life for residents. This paper introduces an adaptive neural network framework capable of processing vast amounts of data from various city sensors in real-time. The framework dynamically adjusts its parameters to accommodate changing data patterns, ensuring accurate and timely insights. Case studies involving traffic management, energy consumption, and environmental monitoring illustrate the framework's ability to optimize city operations and support decision-making processes, ultimately contributing to more efficient and sustainable urban living.			
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