(12) PATENT APPLICATION PUBLICATION

(21) Application No.20241009080 A

(19) INDIA

(22) Date of filing of Application :10/02/2024

(43) Publication Date : 16/02/2024

(54) Title of the invention : SYSTEM AND METHOD FOR DISTRIBUTED DATA ANALYSIS

(51) International classification	:G06N0020000000, G06K0009620000, G06F0011070000, H04L0069329000, H01L0021660000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
  1)**Chitkara University**
     Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------
  2)**Bluest Mettle Solutions Private Limited**
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
  1)**MISHRA, Rahul**
Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ----------- -----------
  2)**SINGH, Dhiraj**
Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune ----------- -----------
  3)**TANYA**
Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------

(57) Abstract :
The present disclosure provides a system (108) and a method for distributed data analysis. The system (108) includes primary node(s) (102) and secondary nodes (104) communicatively coupled to the system (108) via a network (106), where the primary nodes receive data from sources, and source(s) are bifurcated into groups. The system (108) receives the data at the one or more primary nodes, where each node among the primary nodes (102) receives the data from a group among the groups. The system (108) preprocesses the data and extracts feature(s) at primary nodes (102). The system (108) analyzes the features at the secondary nodes (104) using techniques that may include machine learning techniques. The system (108) may take decisions based on the analysis.

No. of Pages : 18 No. of Claims : 8