

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141039319 A

(19) INDIA

(22) Date of filing of Application :31/08/2021

(43) Publication Date : 10/09/2021

(54) Title of the invention : NETWORK TRAFFIC FLOW PREDICTIVE, ANALYTICAL AND CONTROL MODEL FOR CLOUD BASED NETWORKS

| | |
|---|---|
| <p>(51) International classification :H04L0012240000, G06Q0010080000, H04L0012911000, H04L0029080000, H04B0007260000</p> <p>(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA</p> | <p>(71)Name of Applicant : 1)Dr. Penumathsa Suresh Varma Address of Applicant :Dr. Penumathsa Suresh Varma, Professor, Department of Computer Science and Engineering, Adikavi Nannaya University, Rajamahendravaram-533296, Andhra Pradesh, India, sureshvarmap@gmail.com Andhra Pradesh India 2)Ms.Deepa Nair 3)Mr. Purvansh Jain 4)Dr.A.Nagaraju 5)Dr. Kantilal P. Rane 6)Mr.Gajendra Singh Rawat 7)Dr. Rabinarayan Satpathy 8)Dr. K Sundeep Kumar 9)Dr.Govinda Rajulu G 10)Dr.P. Sudarsanam 11)Mr.Rahul Neware 12)Mr.Mohammed Firdos Alam Sheikh</p> <p>(72)Name of Inventor : 1)Dr. Penumathsa Suresh Varma 2)Ms.Deepa Nair 3)Mr. Purvansh Jain 4)Dr.A.Nagaraju 5)Dr. Kantilal P. Rane 6)Mr.Gajendra Singh Rawat 7)Dr. Rabinarayan Satpathy 8)Dr. K Sundeep Kumar 9)Dr.Govinda Rajulu G 10)Dr.P. Sudarsanam 11)Mr.Rahul Neware 12)Mr.Mohammed Firdos Alam Sheikh</p> |
|---|---|

(57) Abstract :

Organizations of all sizes are adopting this modern technology since it simplifies and improves IT maintenance and management skills via a centralized system of services. There would be a lack of efficiency in the distribution of resources to customers without a realistic option for cloud services traffic forecast, which will result in Cloud computing traffic may be predicted using auto-regressive integrated moving average (ARMA) and artificial neural networks (ANN). It turns out, in terms of cloud computing traffic forecasting, ARMA is more accurate than ANN. Next, we suggest using a combination of these two methods to estimate cloud computing traffic.

No. of Pages : 13 No. of Claims : 4