

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 14/2024
ISSUE NO. 14/2024

शुक्रवार
FRIDAY

दिनांक: 05/04/2024
DATE: 05/04/2024

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : METHOD FOR PROVIDING PREDICTIVE CODING FOR EFFICIENT DATA COMPRESSION IN INFORMATION SYSTEMS

<p>(51) International classification :H03M0007300000, G06N0020000000, G06N0003040000, H04N0019460000, G16H0050200000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)CMR COLLEGE OF ENGINEERING & TECHNOLOGY Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad ----- 2)CMR TECHNICAL CAMPUS 3)CMR INSTITUTE OF TECHNOLOGY Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Mrs. Krishnaveni Erokonda Address of Applicant :Assistant Professor Computer Science and Engineering IT CMR College of Engineering & Technology KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad ----- ----- 2)Ms. Sri Vidya Gandhamsetty Address of Applicant :Assistant Professor Computer Science and Engineering IT CMR College of Engineering & Technology KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad ----- ----- 3)Mr. G. Narendra Address of Applicant :Assistant Professor Electronics & Communication Engineering CMR College of Engineering & Technology KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad ----- ----- 4)G Swathi Address of Applicant :Assistant Professor CMR TECHNICAL CAMPUS Computer Science and Engineering KANDLAKOYA VILLAGE, MEDCHAL MANDAL, R. R DISTRICT, HYDERABAD 501401 TELANGANA, INDIA Hyderabad ----- ----- 5)S V S V Prasad Sanaboina Address of Applicant :Assistant Professor CMR TECHNICAL CAMPUS Computer Science and Engineering KANDLAKOYA VILLAGE, MEDCHAL MANDAL, R. R DISTRICT, HYDERABAD 501401 TELANGANA, INDIA Hyderabad ----- ----- 6)S V Sujiaparna Address of Applicant :Assistant Professor CMR TECHNICAL CAMPUS Computer Science and Engineering KANDLAKOYA VILLAGE, MEDCHAL MANDAL, R. R DISTRICT, HYDERABAD 501401 TELANGANA, INDIA Hyderabad ----- ----- 7)Talari Swapna Address of Applicant :Assistant Professor, Computer Science and Engineering (AI&ML), CMR Institute of Technology, Hyderabad Hyderabad ----- ----- 8)Indur Ranaveer Address of Applicant :Assistant Professor, Computer Science and Engineering, CMR Institute of Technology, Hyderabad Hyderabad -----</p>
---	---

(57) Abstract :
METHOD FOR PROVIDING PREDICTIVE CODING FOR EFFICIENT DATA COMPRESSION IN INFORMATION SYSTEMS ABSTRACT The invention presents a comprehensive system (System 100) and method for efficient data compression in information systems. The system comprises modules for input data reception (108), pattern analysis (110), predictive coding model generation (112), and compression (114). The method involves receiving input data, analyzing it to identify patterns and trends, generating predictive coding models based on the identified patterns, and applying these models to predict future data values. The predicted values are then utilized to compress the input data, achieving efficient data compression. The system's modular architecture facilitates real-time analysis and adaptation, optimizing compression performance. Employing predictive coding models enhances compression efficiency by leveraging identified patterns, making the invention a robust solution for data compression in diverse information systems.

No. of Pages : 18 No. of Claims : 10