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(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)PANDEY, Sakshi**

Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----

**3)MANTRI, Archana**

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----

(57) Abstract :

The present invention discloses a dynamic content allocation system (100) in a content-centric network environment. The system includes a processor (102) that performs functions such as receiving content delivery requests, identifying available computing devices, and dynamically allocating devices based on proximity and availability. The system optimizes content delivery by monitoring device performance and adjusting allocations. It can also select devices based on their processing power, memory, or network bandwidth. The system is implemented in various network environments, including cloud computing, content delivery networks (CDNs), and peer-to-peer (P2P) networks. Additionally, a method is disclosed that include steps for dynamically allocating content and optimizing delivery. The disclosed system and method aim to improve content delivery efficiency and enhance network performance in content-centric environments.

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