(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/09/2024

(21) Application No.202421068227 A

(43) Publication Date : 18/10/2024

(54) Title of the invention : A SYSTEM FOR PREDICTIVE GEOLOCATION-BASED SERVICES

(51) International classification :A61K0035583000, A61K0038000000, A61B0005024000, A61B0005000000, C07F0017020000

(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

(71)**Name of Applicant :**
1)KALINGA UNIVERSITY RAIPUR
Address of Applicant :NAYA RAIPUR, CHHATTISGARH 492101, INDIA Raipur ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)DR. A. RAJSHEKHAR
Address of Applicant :PROFESSOR, DEPARTMENT OF GEOGRAPHY, KALINGA UNIVERSITY RAIPUR, NAYA RAIPUR, CHHATTISGARH 492101, INDIA Raipur ---------- ----------
2)DR. HARI SHANKAR KUMAR
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF GEOGRAPHY, KALINGA UNIVERSITY RAIPUR, NAYA RAIPUR, CHHATTISGARH 492101, INDIA Raipur ---------- ----------

(57) Abstract :
Disclosed herein is a system for predictive geolocation-based services comprises a plurality of geolocation sensors configured to collect real-time geospatial data of one or more users. The system also includes a data processing module configured to receive the real-time geospatial data from the geolocation sensors. The system also includes a predictive analytics engine configured to analyze the pre-processed geospatial data using machine learning unit to predict future locations and movements of the users based on historical geolocation patterns and contextual information. The system also includes a recommendation module configured to generate personalized service recommendations based on the predicted future locations and movements of the users. The system also includes a communication interface configured to deliver the personalized service recommendations to the users through their mobile devices in real-time. The system also includes a feedback module configured to collect user responses to the service recommendations and update the predictive analytics engine to refine future predictions.

No. of Pages : 19 No. of Claims : 5