

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202611045629 A

(19) INDIA

(22) Date of filing of Application :09/04/2026

(43) Publication Date : 22/05/2026

(54) Title of the invention : A HYBRID FOOD NUTRITION TRACKING SYSTEM AND METHOD THEREOF

(51) International classification :G16H  
20/60,  
G06Q  
50/12,  
G06F  
19/00,  
G06Q  
50/22,  
G06Q  
50/00

(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :  
Filing Date :01/01/1900  
(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)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY**  
Address of Applicant :19, KNOWLEDGE PARK-II, INSTITUTIONAL  
AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR  
PRADESH, INDIA Uttar Pradesh India  
(72)Name of Inventor :  
**1)DEVANSH CHAUDHARY**  
**2)AMRENDRA MISHRA**  
**3)GARIMA JAIN**

(57) Abstract :

Disclosed herein is a hybrid food nutrition tracking system (100) that comprises a user device (102), a communication network (104), a processing unit (106), a memory unit (120), and a user interface (122) is disclosed. The processing unit (106) includes a data input module (108), a hybrid estimation module (110), a calculation module (112), a data management module (114), a summarization module (116), and an output module (118). The user device (102) receives user input and transmits input data through the communication network (104). The data input module (108) validates input data, and the hybrid estimation module (110) generates estimated nutrition data using local and external data sources. The calculation module (112) computes nutrient values, and the data management module (114) stores structured data in the memory unit (120). The summarization module (116) generates summary output, and the output module (118) provides results to the user interface (122).

No. of Pages : 30 No. of Claims : 10