

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411054764 A

(19) INDIA

(22) Date of filing of Application :18/07/2024

(43) Publication Date : 02/08/2024

(54) Title of the invention : AUTOMATED FOOD SAFETY MONITORING AND COMPLIANCE SYSTEM FOR COMMERCIAL KITCHENS

(51) International classification :G06Q0010060000, G06Q0030000000, G01R0022060000, G06F0016270000, H04L0067120000
(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)Dr. Sidharth Srivastava

Address of Applicant :Associate Professor, School of Hospitality & Tourism, Galgotias University, Plot No.2, Sector 17-A Yamuna Expressway, Greater Noida, Gautam Buddh Nagar, Uttar Pradesh, India 203201 -----

2)Dr.Sunil Kumar

3)Mr. Amit Kumar

4)Dr. Suprabhat Banerjee

5)Mr. Kunal

6)Dr. Sushil Kumar

7)Mr. Kanchan Aich

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Sidharth Srivastava

Address of Applicant :Associate Professor, School of Hospitality & Tourism, Galgotias University, Plot No.2, Sector 17-A Yamuna Expressway, Greater Noida, Gautam Buddh Nagar, Uttar Pradesh, India 203201 -----

2)Dr.Sunil Kumar

Address of Applicant :Deputy Director - Culinary Arts SCHM, MRIIRS, Faridabad, Haryana-121003 -----

3)Mr. Amit Kumar

Address of Applicant :Assistant Professor (Food Production), Banarsidas Chandiwala Institute of Hotel Management and Catering Technology, Chandiwala Estate, Maa Anandamai Marg, Kalkaji, New Delhi, 110019 -----

4)Dr. Suprabhat Banerjee

Address of Applicant :Associate Professor, Amity School of Hospitality, Amity University Campus, Sector-125, Noida - 201313 -----

5)Mr. Kunal

Address of Applicant :Assistant Professor, School of Culinary and Hotel Management, Manav Rachna International Institute of Research & Studies (MRIIRS), Sector 43, Faridabad, Haryana 121004 -----

6)Dr. Sushil Kumar

Address of Applicant :Associate Professor, Amity School of Hospitality, Amity University, Rajasthan -----

7)Mr. Kanchan Aich

Address of Applicant :Assistant Professor, Amity School of Hospitality, SP-1, Kant Kalwar, NH11C, RIICO Industrial Area, Rajasthan 303002 -----

(57) Abstract :

The invention relates to a system and method for an automated food safety monitoring and compliance system designed for commercial kitchens. Integrating IoT sensors, a central processing unit (CPU), a user interface, and a cloud-based platform, the system continuously monitors critical parameters such as temperature, humidity, and hygiene practices. Real-time data analysis enables immediate alerts and comprehensive compliance reports, ensuring adherence to health regulations and proactive management of food safety. The system's scalability, predictive maintenance capabilities, and user-friendly interface enhance operational efficiency, mitigate risks of foodborne illnesses, and optimize kitchen management practices.

No. of Pages : 19 No. of Claims : 9