

(12) PATENT APPLICATION PUBLICATION  
(19) INDIA  
(22) Date of filing of Application :05/07/2025

(21) Application No.202511064365 A  
(43) Publication Date : 25/07/2025

(54) Title of the invention : AN AUTOMATED RECIPE GENERATION SYSTEM USING IMAGE RECOGNITION AND NLP

<p>(51) International classification :A47J0036320000, G16H0020600000, G05B0019418000, G06F0003048400, A23L0005100000</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 : <b>1)NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b> Address of Applicant :19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar ----- <b>Name of Applicant : NA</b> <b>Address of Applicant : NA</b></p> <p>(72)Name of Inventor : <b>1)VINAYAK SHARMA</b> Address of Applicant :NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar ----- <b>2)UTKARSH SINGH</b> Address of Applicant :NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar ----- <b>3)SURYANSH KATIYAR</b> Address of Applicant :NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar ----- <b>4)ABHISHEK</b> Address of Applicant :NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar ----- <b>5)DR. POORNIMA TYAGI</b> Address of Applicant :NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar ----- <b>6)MR. IBRAR AHMED</b> Address of Applicant :NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY, 19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA Gautam Buddha Nagar -----</p>
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(57) Abstract :

Disclosed herein is an automated recipe generation system using image recognition and NLP (100) comprises an image acquisition module (102) configured to receive or capture food images from a user device. The system also includes an ingredient identification unit (104) configured to analyze the received image and identify one or more food ingredients present within the image. The system also includes a recipe generation engine (106) configured to generate a step-wise cooking recipe based on the identified ingredients. The system also includes a user interface (108) configured to display the generated recipe to the user in a human-readable format.

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