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Patent Search

Invention Title	System and Method of Intelligent Coffee Vending Machine
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Field Of Invention	COMPUTER SCIENCE
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Abstract:

The mechanism to track the consumption of coffee and preferences of coffee based on sugar level are not available in normal coffee vending machine. Artificial intelligence offers automated services to end users by examining their preferences and provides services accordingly. Moreover the devices can be implemented with artificial intelligence to perform end user services automatically based on their preferences. The present invention provides system and method of intelligent coffee vending machine serving coffee automatically based on end user preferences. The Artificial Intelligence based facial recognition module specified in the invention receives the end users images captured by image capturing unit and uses convolution neural network technology to identify end users. The present invention also supports end users by customizing their coffee preferences such as sugar levels or sugarless and get coffee automatically.

Complete Specification

Claims:We Claim:

1. A System and Method of Intelligent Coffee Vending Machine comprising:
 - a) End User
 - b) Person Identification Module
 - c) Wireless Network
 - d) Server Cloud
 - e) Database
 - f) Intelligent coffee vending machine
2. In process as claimed in claim 1, the person identification module used to identify end user comprising of
 - a) Image Capturing Unit
 - b) Artificial Intelligence based Facial Recognition Module
 - c) Database Management Module
3. In process as claimed in claim 1, the server cloud runs
 - a) Database management module, to maintain and control the operations on database.
 - b) Artificial Intelligence based facial recognition module to recognize end user images captured by image capturing unit comprising of web camera

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Application Details

APPLICATION NUMBER	202141016887
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/04/2021
APPLICANT NAME	1 . Gurram Sunitha 2 . K.Reddy Madhavi 3 . J.Avanija
TITLE OF INVENTION	System and Method of Intelligent Coffee Vending Machine
FIELD OF INVENTION	COMPUTER SCIENCE
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E-MAIL (UPDATED Online)	
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REQUEST FOR EXAMINATION DATE	10/04/2021
PUBLICATION DATE (U/S 11A)	16/07/2021

Application Status

APPLICATION STATUS	Application referred u/s 12 for examination.
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➡ Filed ➡ RQ Filed ➡ Published ➡ Under Examination ➡ Disposed

In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

FORM 1 THE PATENTS ACT, 1970 (39 of 1970) & THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT [See sections 7,54 & 135 and rule 20(1)]	(FOR OFFICE USE ONLY) Application No.: Filing Date: Amount of Fee Paid: CBR No.: Signature:
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1. APPLICANT(S):

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6	Dr.V.Saravana Kumar	India	Associate Professor Department of IT, Sreenidhi Institute of Science and Technology,Yamnapet Hyderabad - 501301 Telangana.	India	Telangana
7	Dr.S.Viswanadha Raju	India	Professor of CSE & Vice Principal, JNTUHCEJ, Jagithyal, Karimnagar, Telangana.	India	Telangana

3. TITLE OF THE INVENTION: System and Method of Intelligent Coffee Vending Machine**4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / Telephone No.:****AUTHORISED PATENT AGENT IN INDIA:**

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5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Title of the Invention
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6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application
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8. PARTICULARS FOR FILING PATENT OF ADDITION:

Main Application / Patent Number:	Date of Filing of Main Application
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9. DECLARATIONS:**(i) Declaration by the inventor(s)**

I/We ,Dr. Gudavalli Madhavi,Dr.Hima Bindu Valiveti,Kotamraju Sri Indrani,Dharma Teja Lanka,Dr.D.Rajya Lakshmi,Dr.V.Saravana Kumar,Dr.S.Viswanadha Raju, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: ----

(b) Signature(s) of the inventor(s):

(c) Name(s): Dr. Gudavalli Madhavi,Dr.Hima Bindu Valiveti,Kotamraju Sri Indrani,Dharma Teja Lanka,Dr.D.Rajya Lakshmi,Dr.V.Saravana Kumar,Dr.S.Viswanadha Raju

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: ----

(b) Signature(s) :

(c) Name(s) of the singnatory: K.Reddy Madhavi,J.Avanija,Gurram Sunitha

(iii) Declaration by the applicant(s)

- The Complete specification relating to the invention is filed with this application.
- I am/We are, in the possession of the above mentioned invention.
- There is no lawful ground of objection to the grant of the Patent to me/us.

10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName
1	PROVISIONAL SPECIFICATION	Form 2.pdf
2	DRAWINGS	Drawings.pdf
3	STATEMENT OF UNDERTAKING (FORM 3)	FORM 3.pdf
4	DECLARATION OF INVENTORSHIP (FORM 5)	FORM 5.pdf

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hereing are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): -----

Signature:

Name: Konduru Reddy Madhavi

To The Controller of Patents

The Patent office at CHENNAI

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