



(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/inc>)

### Patent Search

Invention Title	MACHINE LEARNING TECHNIQUES IN EVALUATION OF WEB BASED INSTRUCTION AND COOPERATIVE LEARNING ON THE STUDENTS LISTING SPEAKING SKILL
Publication Number	24/2022
Publication Date	17/06/2022
Publication Type	INA
Application Number	202241032154
Application Filing Date	06/06/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06N0020000000, G06Q0050200000, G06Q0010060000, G09B0005060000, G06N0003000000

#### Inventor

Name	Address	Country	Nat
DR. CHRISTINE ANN THOMAS	ASSISTANT PROFESSOR, DEPARTMENT OF ENGLISH AND CULTURAL STUDIES, CHRIST DEEMED TO BE UNIVERSITY	India	Indi
DR. BALACHANDRAN VADIVEL	ASSISTANT PROFESSOR, DEPARTMENT OF ENGLISH, CIHAN UNIVERSITY-DUHOK, KURDISTAN REGION, IRAQ	India	Indi
MR. FOUAD RASHID OMAR	DEPARTMENT OF ENGLISH LANGUAGE TEACHING, COLLEGE OF EDUCATION, KNOWLEDGE UNIVERSITY, ERBIL 44001, IRAQ	Iraq	Irac
MS. SHIREEN JAMAL MOHAMMED	ASSISTANT LECTURER, DEPARTMENT OF TRANSLATION COLLEGE OF LANGUAGES, NAWROZ UNIVERSITY DUHOK, KURDISTAN REGION, IRAQ	Iraq	Irac
DR. NEELAKANDAN SHANMUGAM	ASSOCIATE PROFESSOR, K.RAMAKRISHNAN COLLEGE OF ENGINEERING, TIRUCHIRAPPALLI, TAMILNADU, INDIA	India	Indi
DR. SHABINA FATIMA	ASSISTANT PROFESSOR, DEPARTMENT OF ENGLISH, INSTITUTE OF AERONAUTICAL ENGINEERING (IARE),HYDERABAD, INDIA.	India	Indi
MR. C.JOHN PAUL	HEAD, DEPARTMENT OF COMPUTER APPLICATIONS, ALPHA ARTS AND SCIENCE COLLEGE, PORUR, CHENNAI - 600116	India	Indi
PROFESSOR ( DR.) NITIN GIRDHARWAL	PROFESSOR & HEAD , MEDI-CAPS UNIVERSITY ,INDORE ,M.P	India	Indi
DR. MRINAL VERMA	ASSISTANT PROFESSOR , KIET GROUP OF INSTITUTION , DELHI - NCR ,GHAZIABAD	India	Indi
SAURABH SHARMA	ASSISTANT PROFESSOR,GLOBAL NATURE CARE SANGATHAN GROUP OF INSTITUTIONS, JABALPUR	India	Indi
K PREETHAM	ASSISTANT PROFESSOR OF ENGLISH,CMS JAIN DEEMED-TO-BE UNIVERSITY BENGALURU KARNATAKA 560027	India	Indi
ER. S. JOHN PIMO	ASSISTANT PROFESSOR, DEPARTMENT OF CSE, ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING, CHUNKANKADAI	India	Indi

#### Applicant

Name	Address	Country	Nat
DR. CHRISTINE ANN THOMAS	ASSISTANT PROFESSOR, DEPARTMENT OF ENGLISH AND CULTURAL STUDIES, CHRIST DEEMED TO BE UNIVERSITY	India	Indi
DR. BALACHANDRAN VADIVEL	ASSISTANT PROFESSOR, DEPARTMENT OF ENGLISH, CIHAN UNIVERSITY-DUHOK, KURDISTAN REGION, IRAQ	Iraq	Indi
MR. FOUAD RASHID OMAR	DEPARTMENT OF ENGLISH LANGUAGE TEACHING, COLLEGE OF EDUCATION, KNOWLEDGE UNIVERSITY, ERBIL 44001, IRAQ	Iraq	Irac
MS. SHIREEN JAMAL MOHAMMED	ASSISTANT LECTURER, DEPARTMENT OF TRANSLATION COLLEGE OF LANGUAGES, NAWROZ UNIVERSITY DUHOK, KURDISTAN REGION, IRAQ	Iraq	Irac
DR. NEELAKANDAN SHANMUGAM	ASSOCIATE PROFESSOR, K.RAMAKRISHNAN COLLEGE OF ENGINEERING, TIRUCHIRAPPALLI, TAMILNADU, INDIA	India	Indi
DR. SHABINA FATIMA	ASSISTANT PROFESSOR, DEPARTMENT OF ENGLISH, INSTITUTE OF AERONAUTICAL ENGINEERING (IARE),HYDERABAD, INDIA.	India	Indi
MR. C.JOHN PAUL	HEAD, DEPARTMENT OF COMPUTER APPLICATIONS, ALPHA ARTS AND SCIENCE COLLEGE, PORUR, CHENNAI - 600116	India	Indi
PROFESSOR ( DR.) NITIN GIRDHARWAL	PROFESSOR & HEAD , MEDI-CAPS UNIVERSITY ,INDORE ,M.P	India	Indi
DR. MRINAL VERMA	ASSISTANT PROFESSOR , KIET GROUP OF INSTITUTION , DELHI - NCR ,GHAZIABAD	India	Indi
SAURABH SHARMA	ASSISTANT PROFESSOR,GLOBAL NATURE CARE SANGATHAN GROUP OF INSTITUTIONS, JABALPUR	India	Indi
K PREETHAM	ASSISTANT PROFESSOR OF ENGLISH,CMS JAIN DEEMED-TO-BE UNIVERSITY BENGALURU KARNATAKA 560027	India	Indi
ER. S. JOHN PIMO	ASSISTANT PROFESSOR, DEPARTMENT OF CSE, ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING, CHUNKANKADAI	India	Indi

#### Abstract:

Machine Learning techniques in evaluation of web based instruction and cooperative learning on the students listing and speaking skill is the proposed invention. The inv aims at implementing algorithms of Machine Learning for evaluating the web based instructions to study the listening and speaking skills of students. The invention focus integrating the technique of cooperative learning among the students.

#### Complete Specification

Description:[0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[0002] Web-based techniques are network applications accessible over the internet (Blogs, discussion boards, mobile technologies etc) that enables individuals to connect to each other. Web-based interaction is a form of online interaction platform that allows the parties to see and hear each other. For e.g.:- systems that allows to book accommodations, tickets and other online services online.

[0003] A number of different types of students listening skill analysis systems that are known in the prior art. For example, the following patents are provided for their supportive teachings and are all incorporated by reference.

[0004] US20100151431A1 Collaborative computer-based learning allows a group of users to access, share, and contribute content. A computer-based system can be accessed by a community of users over a communications network. A data storage device can store data comprising items of teaching content and items of user content such that the data is accessible by the community of users. A set of collaborative system tools can provide users with the ability to create an item of user content associated with items of teaching content or with other items of user content. An annotation mechanism can provide users with the ability to comment on items of teaching content or items of user content in the form of an annotation that is then stored in the data storage device. The annotation mechanism is configured to merge the annotation with the associated item of teacher or user content and generate merged content with the annotation overlaid on the associated item of teacher or user content.

[0005] Cooperative interactions occur when a positive change for one component also increases the collection benefit of a group of components. The proposed

[View Application Status](#)



Terms & conditions (<http://ipindia.gov.in/terms-conditions.htm>) Privacy Policy (<http://ipindia.gov.in/privacy-policy.htm>)

Copyright (<http://ipindia.gov.in/copyright.htm>) Hyperlinking Policy (<http://ipindia.gov.in/hyperlinking-policy.htm>)

Accessibility (<http://ipindia.gov.in/accessibility.htm>) Archive (<http://ipindia.gov.in/archive.htm>) Contact Us (<http://ipindia.gov.in/contact-us.htm>)

Help (<http://ipindia.gov.in/help.htm>)

Content Owned, updated and maintained by Intellectual Property India, All Rights Reserved.

Page last updated on: 26/06/2019



Office of the Controller General of Patents, Designs & Trade Marks  
Department of Industrial Policy & Promotion,  
Ministry of Commerce & Industry,  
Government of India

सत्यमेव जयते

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

### Application Details

APPLICATION NUMBER	202241032154
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/06/2022
APPLICANT NAME	1 . DR. CHRISTINE ANN THOMAS 2 . DR. BALACHANDRAN VADIVEL 3 . MR. FOUAD RASHID OMAR 4 . MS. SHIREEN JAMAL MOHAMMED 5 . DR. NEELAKANDAN SHANMUGAM 6 . DR. SHABINA FATIMA 7 . MR. C.JOHN PAUL 8 . PROFESSOR ( DR.) NITIN GIRDHARWAL 9 . DR. MRINAL VERMA 10 . SAURABH SHARMA 11 . K PREETHAM 12 . ER. S. JOHN PIMO
TITLE OF INVENTION	MACHINE LEARNING TECHNIQUES IN EVALUATION OF WEB BASED INSTRUCTION AND COOPERATIVE LEARNING ON THE STUDENTS LISTING AND SPEAKING SKILL
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	sgowthami12@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sgowthami12@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	17/06/2022

Application Status

APPLICATION STATUS

**Awaiting Request for Examination**

[View Documents](#)

➔ Filed ➔ Published ➔ RQ Filed ➔ Under Examination

➔ Disposed

In case of any discrepancy in status, kindly contact [ipe-helpdesk@nic.in](mailto:ipe-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:** .....**1. APPLICANT(S):**

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	DR. CHRISTINE ANN THOMAS	India	ASSISTANT PROFESSOR, DEPARTMENT OF ENGLISH AND CULTURAL STUDIES, CHRIST DEEMED TO BE UNIVERSITY	India	Karnataka	Bangalore Urban	Bengaluru
2	DR. BALACHANDRAN VADIVEL	India	ASSISTANT PROFESSOR, DEPARTMENT OF ENGLISH, CIHAN UNIVERSITY-DUHOK, KURDISTAN REGION, IRAQ	Iraq	Not Applicable	Not Applicable	
3	MR. FOUAD RASHID OMAR	Iraq	DEPARTMENT OF ENGLISH LANGUAGE TEACHING, COLLEGE OF EDUCATION, KNOWLEDGE UNIVERSITY, ERBIL 44001, IRAQ	Iraq	Not Applicable	Not Applicable	
4	MS. SHIREEN JAMAL MOHAMMED	Iraq	ASSISTANT LECTURER, DEPARTMENT OF TRANSLATION COLLEGE OF LANGUAGES, NAWROZ UNIVERSITY DUHOK, KURDISTAN REGION, IRAQ	Iraq	Not Applicable	Not Applicable	
5	DR. NEELAKANDAN SHANMUGAM	India	ASSOCIATE PROFESSOR, K.RAMAKRISHNAN COLLEGE OF ENGINEERING, TIRUCHIRAPPALLI, TAMILNADU, INDIA	India	Tamil Nadu	Tiruchirappalli	Trichy
6	DR. SHABINA FATIMA	India	ASSISTANT PROFESSOR, DEPARTMENT OF ENGLISH, INSTITUTE OF AERONAUTICAL	India	Telangana	Hyderabad	Hyderabad

			ENGINEERING (IARE),HYDERABAD, INDIA.				
7	MR. C.JOHN PAUL	India	HEAD, DEPARTMENT OF COMPUTER APPLICATIONS, ALPHA ARTS AND SCIENCE COLLEGE, PORUR, CHENNAI - 600116	India	Tamil Nadu	Chennai	Chennai
8	PROFESSOR ( DR.) NITIN GIRDHARWAL	India	PROFESSOR & HEAD , MEDI-CAPS UNIVERSITY ,INDORE ,M.P	India	Madhya Pradesh	Indore	Indore
9	DR. MRINAL VERMA	India	ASSISTANT PROFESSOR , KIET GROUP OF INSTITUTION , DELHI - NCR ,GHAZIABAD	India	Uttar Pradesh	Ghaziabad	Ghaziabad
10	SAURABH SHARMA	India	ASSISTANT PROFESSOR,GLOBAL NATURE CARE SANGATHAN GROUP OF INSTITUTIONS, JABALPUR	India	Madhya Pradesh	Jabalpur	Jabalpur
11	K PREETHAM	India	ASSISTANT PROFESSOR OF ENGLISH,CMS JAIN DEEMED-TO-BE UNIVERSITY BENGALURU KARNATAKA 560027	India	Karnataka	Bangalore Urban	Bengaluru
12	ER. S. JOHN PIMO	India	ASSISTANT PROFESSOR, DEPARTMENT OF CSE, ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING, CHUNKANKADAI	India	Tamil Nadu	Kanyakumari	Nagercoil

## 2. INVENTOR(S):

Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	DR. CHRISTINE ANN THOMAS	India	ASSISTANT PROFESSOR, DEPARTMENT OF ENGLISH AND CULTURAL STUDIES, CHRIST DEEMED TO BE UNIVERSITY	India	Karnataka	Bangalore Urban	Bengaluru
2	DR. BALACHANDRAN VADIVEL	India	ASSISTANT PROFESSOR, DEPARTMENT OF ENGLISH, CIHAN UNIVERSITY-	Iraq	Not Applicable	Not Applicable	

			DUHOK, KURDISTAN REGION, IRAQ				
3	MR. FOUAD RASHID OMAR	Iraq	DEPARTMENT OF ENGLISH LANGUAGE TEACHING, COLLEGE OF EDUCATION, KNOWLEDGE UNIVERSITY, ERBIL 44001, IRAQ	Iraq	Not Applicable	Not Applicable	
4	MS. SHIREEN JAMAL MOHAMMED	Iraq	ASSISTANT LECTURER, DEPARTMENT OF TRANSLATION COLLEGE OF LANGUAGES, NAWROZ UNIVERSITY DUHOK, KURDISTAN REGION, IRAQ	Iraq	Not Applicable	Not Applicable	
5	DR. NEELAKANDAN SHANMUGAM	India	ASSOCIATE PROFESSOR, K.RAMAKRISHNAN COLLEGE OF ENGINEERING, TIRUCHIRAPPALLI, TAMILNADU, INDIA	India	Tamil Nadu	Tiruchirappalli	Trichy
6	DR. SHABINA FATIMA	India	ASSISTANT PROFESSOR, DEPARTMENT OF ENGLISH, INSTITUTE OF AERONAUTICAL ENGINEERING (IARE),HYDERABAD, INDIA.	India	Telangana	Hyderabad	Hyderabad
7	MR. C.JOHN PAUL	India	HEAD, DEPARTMENT OF COMPUTER APPLICATIONS, ALPHA ARTS AND SCIENCE COLLEGE, PORUR, CHENNAI - 600116	India	Tamil Nadu	Chennai	Chennai
8	PROFESSOR ( DR.) NITIN GIRDHARWAL	India	PROFESSOR & HEAD , MEDI-CAPS UNIVERSITY ,INDORE ,M.P	India	Madhya Pradesh	Indore	Indore
9	DR. MRINAL VERMA	India	ASSISTANT PROFESSOR , KIET GROUP OF INSTITUTION , DELHI - NCR ,GHAZIABAD	India	Uttar Pradesh	Ghaziabad	Ghaziabad
10	SAURABH SHARMA	India	ASSISTANT PROFESSOR,GLOBAL NATURE CARE SANGATHAN GROUP OF INSTITUTIONS, JABALPUR	India	Madhya Pradesh	Jabalpur	Jabalpur
11	K PREETHAM	India	ASSISTANT	India	Karnataka	Bangalore	Bengaluru

			PROFESSOR OF ENGLISH,CMS JAIN DEEMED-TO-BE UNIVERSITY BENGALURU KARNATAKA 560027			Urban	
12	ER. S. JOHN PIMO	India	ASSISTANT PROFESSOR, DEPARTMENT OF CSE, ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING, CHUNKANKADAI	India	Tamil Nadu	Kanyakumari	Nagercoil

**3. TITLE OF THE INVENTION: MACHINE LEARNING TECHNIQUES IN EVALUATION OF WEB BASED INSTRUCTION AND COOPERATIVE LEARNING ON THE STUDENTS LISTING AND SPEAKING SKILL**

**4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / AUTHORISED PATENT AGENT IN INDIA:**

No 325 17th Main B Block 3rd Stage Vijayanagar Mysuru 570030

Telephone No.:

Fax No.:

Mobile No: 9538377433

E-mail: sgowthami12@gmail.com

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

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Titile of the Invention
--------	---------	--------------------	-------------	-----------------------	-------------------------

**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
-------------------------------------	--

**8. PARTICULARS FOR FILING PATENT OF ADDITION:**

Main Application / Patent Number:	Date of Filing of Main Application
-----------------------------------	------------------------------------

**9. DECLARATIONS:**

**(i) Declaration by the inventor(s)**

I/We ,DR. CHRISTINE ANN THOMAS,DR. BALACHANDRAN VADIVEL,MR. FOUAD RASHID OMAR,MS. SHIREEN JAMAL MOHAMMED,DR. NEELAKANDAN SHANMUGAM,DR. SHABINA FATIMA,MR. C.JOHN PAUL,PROFESSOR ( DR. ) NITIN GIRDHARWAL,DR. MRINAL VERMA,SAURABH



SHARMA,K PREETHAM,ER. S. JOHN PIMO, 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. CHRISTINE ANN THOMAS,DR. BALACHANDRAN VADIVEL,MR. FOUAD RASHID OMAR,MS. SHIREEN JAMAL MOHAMMED,DR. NEELAKANDAN SHANMUGAM,DR. SHABINA FATIMA,MR. C.JOHN PAUL,PROFESSOR ( DR.) NITIN GIRDHARWAL,DR. MRINAL VERMA,SAURABH SHARMA,K PREETHAM,ER. S. JOHN PIMO

**(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: DR. CHRISTINE ANN THOMAS,DR. BALACHANDRAN VADIVEL,MR. FOUAD RASHID OMAR,MS. SHIREEN JAMAL MOHAMMED,DR. NEELAKANDAN SHANMUGAM,DR. SHABINA FATIMA,MR. C.JOHN PAUL,PROFESSOR ( DR.) NITIN GIRDHARWAL,DR. MRINAL VERMA,SAURABH SHARMA,K PREETHAM,ER. S. JOHN PIMO

**(iii) Declaration by the applicant(s)**

- **The Complete specification relationg 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
-----	----------------------	----------

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering 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: Gowthami S

To The Controller of Patents

The Patent office at CHENNAI

**This form is electronically generated.**