CRITERION III

RESEARCH AND OUTREACH ACTIVITIES

3.1 - Resource Mobilisation for Research

3.1.4 Institution has created an eco-system for innovation and other initiatives for creation and transfer of knowledge that include

1. **Participative efforts (brain storming, think tank etc.) to identify possible and needed innovations**
2. **Encouragement to novel ideas**
3. **Official approval and support for innovative try-outs**
4. **Material and procedural supports**

Copyrights or patents filed

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/01/2023

(21) Application No.202341005852 A
(43) Publication Date : 17/02/2023

(54) Title of the invention : EVALUATION OF ACADEMIC PERFORMANCE USING DEEP LEARNING

(51) International classification :G06Q0050200000, G09B0007000000, G09B0005000000, G09B0007020000, A61M0021000000
(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)SHASHIKALA S
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, AMMA, 7TH CROSS, VIVEKANANDA ROAD, RAMAMURTHY NAGAR, BANGALORE, KARNATAKA, INDIA, 560016.
2)DR. M. JAGADESH
3)MS. KHAMBALKAR CHHAYA HANAMANT
4)DR. M. KARTHIKEYAN
5)D. NAGA SUDHA
6)D. ARUN HAYDN RUNDEEPKUMAR
7)DR. SONAM BANSAL
8)PAYEL RAY
9)DR. CHINMAY SHAH
10)DR. B. RAJA MANNAR
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)SHASHIKALA S
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, AMMA, 7TH CROSS, VIVEKANANDA ROAD, RAMAMURTHY NAGAR, BANGALORE, KARNATAKA, INDIA, 560016.
2)DR. M. JAGADESH
Address of Applicant :ASSISTANT PROFESSOR IN EDUCATION, SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION (AUTONOMOUS), PERIANAICKEN PALAYAM, COIMBATORE, TAMIL NADU, INDIA, 641020.
3)MS.KHAMBALKAR CHHAYA HANAMANT
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, HANAMNAT PANDURANG KHAMBALKAR HANUMAN KIRANA STORES, NEAR NAGOBA MANDIR, MAIN ROAD PALUS, A/P-PALUS, TAL-PALUS,DIST-SANGLI, MAHARASHTRA, INDIA.
4)DR. M. KARTHIKEYAN
Address of Applicant :PROFESSOR & HEAD, DEPARTMENT OF CIVIL ENGINEERING, DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING, COIMBATORE, TAMIL NADU, INDIA, 641105.
5)D. NAGA SUDHA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, H. NO: 14-67, LIG-240, PHASE-II, P. R. PALLY 'C' ROAD, SANGAREDDY, TELANGANA, INDIA, 502295.
6)D. ARUN HAYDN RUNDEEPKUMAR
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF IT, V.S.B. COLLEGE OF ENGINEERING TECHNICAL CAMPUS, COIMBATORE, TAMIL NADU, INDIA, 642109.
7)DR. SONAM BANSAL
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF EDUCATION, RAO LAL SINGH COLLEGE OF EDUCATION, SIDHRAWALI, GURUGRAM, HARYANA, 13293, ST NO 9, OPPOSITE YOGA ASHRAM, BATHINDA PB, PUNJAB, INDIA, 151001.
8)PAYEL RAY
Address of Applicant :RESEARCH SCHOLAR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VILLAGE-BETAI CIVILGANJ POST-BETAI DISTRICT- NADIA, WEST BENGAL, INDIA, 741163.
9)DR. CHINMAY SHAH
Address of Applicant :PROFESSOR AND HEAD, DEPARTMENT OF PHYSIOLOGY, GMC BHAVNAGAR, GUJARAT, INDIA, 364001.
10)DR. B. RAJA MANNAR
Address of Applicant :LECTURER, DEPARTMENT OF BUSINESS ADMINISTRATION, ST. THERESA INTL COLLEGE, THAILAND.

(57) Abstract :
An Adequate self-esteem of schoolchildren is formed under the influence of the teacher's standards and value judgments. If these influences are negative, they lead to the formation of low self-esteem, cause lack of self-confidence in the student, resulting in a decrease in learning motivation and interest in learning; Changes in interpersonal relationships within the class group help in raising the status of students. The positive or negative attitude of classmates towards an individual student depends on the extent to which positive or negative teaching influences and evaluations are applied to him. Through assessments, the teacher educates school students, influencing their approach to learning, work skills, and self-demand. He grows, and if he does it right, their care, diligence and perseverance allow you to truly evaluate your progress and the progress of others. It develops their self-awareness to the right level and creates motivation in school students. Any evaluation that the student perceives as fair, be it positive or negative, affects intentions and becomes a stimulus for their actions and behavior in the future.

No. of Pages : 17 No. of Claims : 6

FORM 1 THE PATENTS ACT 1970 (39 of 1970) & The Patents Rules, 2003 APPLICATION FOR GRANT OF PATENT [*See* section 7, 54&135 and rule 20(1)]	(FOR OFFICE USE ONLY) Application No: 202341005852 Filling Date: 30/01/2023 Amount of Fee Paid: 1750/- CBR No: 4216 Signature: P.V. 30/01/23

1. APPLICANT (S)

SHASHIKALA S		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, AMMA, 7TH CROSS, VIVEKANANDA ROAD, RAMAMURTHY NAGAR, BANGALORE-16, KARNATAKA, INDIA.
DR. M. JAGADESH	INDIAN	ASSISTANT PROFESSOR IN EDUCATION, SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION (AUTONOMOUS), PERIANAICKEN PALAYAM, COIMBATORE 641020, TAMIL NADU, INDIA.
MS.KHAMBALKAR CHHAYA HANAMANT		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, HANAMNAT PANDURANG KHAMBALKAR HANUMAN KIRANA STORES, NEAR NAGOBA MANDIR, MAIN ROAD PALUS, A/P-PALUS,TAL-PALUS,DIST-SANGLI, MAHARASHTRA, INDIA.
DR.M.KARTHIKEYAN		PROFESSOR & HEAD, DEPARTMENT OF CIVIL ENGINEERING, DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING, COIMBATORE - 641 105, TAMIL NADU, INDIA.
D. NAGA SUDHA		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, H. NO:14-67, LIG-240, PHASE-II, P. R. PALLY 'X' ROAD, SANGAREDDY-502295, TELANGANA, INDIA.
D.ARUN HAYDN RUNDEEPKUMAR		ASSISTANT PROFESSOR, DEPARTMENT OF IT, V.S.B. COLLEGE OF ENGINEERING TECHNICAL CAMPUS, COIMBATORE – 642109, TAMIL NADU, INDIA.

DR. SONAM BANSAL		ASSISTANT PROFESSOR, DEPARTMENT OF EDUCATION, RAO LAL SINGH COLLEGE OF EDUCATION, SIDHRAWALI, GURUGRAM, HARYANA, 13203, ST NO 9, OPPOSITE YOGA ASHRAM, BATHINDA PB, PUNJAB – 151001, INDIA.
PAYEL RAY		RESEARCH SCHOLAR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VILLAGE-BETAI CIVILGANJ POST-BETAI DISTRICT- NADIA, PIN-741163, WEST BENGAL,INDIA.
DR CHINMAY SHAH		PROFESSOR AND HEAD, DEPARTMENT OF PHYSIOLOGY, GMC BHAVNAGAR GUJARAT INDIA 364001, INDIA.
DR. B. RAJA MANNAR		LECTURER, DEPARTMENT OF BUSINESS ADMINISTRATION, ST. THERESA INTL COLLEGE, THAILAND.

TYPE OF APPLICATION [Please tick (√) at the appropriate category]

Ordinary (√)		**Convention ( )**		**PCT-NP ( )**	
Divisional ( )	Patent of Addition ( )	Divisional ( )	Patent of Addition ( )	Divisional ( )	Patent of Addition ( )

3A.INVENTOR (S)

SHASHIKALA S	INDIAN	ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, AMMA, 7TH CROSS, VIVEKANANDA ROAD, RAMAMURTHY NAGAR, BANGALORE-16, KARNATAKA, INDIA.
DR. M. JAGADESH		ASSISTANT PROFESSOR IN EDUCATION, SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION (AUTONOMOUS), PERIANAICKEN PALAYAM, COIMBATORE 641020, TAMIL NADU, INDIA.
		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

MS.KHAMBALKAR CHHAYA HANAMANT		HANAMNAT PANDURANG KHAMBALKAR HANUMAN KIRANA STORES, NEAR NAGOBA MANDIR, MAIN ROAD PALUS, A/P-PALUS,TAL-PALUS,DIST-SANGLI, MAHARASHTRA, INDIA.
DR.M.KARTHIKEYAN		PROFESSOR & HEAD, DEPARTMENT OF CIVIL ENGINEERING, DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING, COIMBATORE - 641 105, TAMIL NADU, INDIA.
D. NAGA SUDHA		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, H. NO:14-67, LIG-240, PHASE-II, P. R. PALLY 'X' ROAD, SANGAREDDY-502295, TELANGANA, INDIA.
D.ARUN HAYDN RUNDEEPKUMAR		ASSISTANT PROFESSOR, DEPARTMENT OF IT, V.S.B. COLLEGE OF ENGINEERING TECHNICAL CAMPUS, COIMBATORE – 642109, TAMIL NADU, INDIA.
DR. SONAM BANSAL		ASSISTANT PROFESSOR, DEPARTMENT OF EDUCATION, RAO LAL SINGH COLLEGE OF EDUCATION, SIDHRAWALI, GURUGRAM, HARYANA, 13203, ST NO 9, OPPOSITE YOGA ASHRAM, BATHINDA PB, PUNJAB – 151001, INDIA.
PAYEL RAY		RESEARCH SCHOLAR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VILLAGE-BETAI CIVILGANJ POST-BETAI DISTRICT- NADIA, PIN-741163, WEST BENGAL,INDIA.
DR CHINMAY SHAH		PROFESSOR AND HEAD, DEPARTMENT OF PHYSIOLOGY, GMC BHAVNAGAR GUJARAT INDIA 364001, INDIA.
DR. B. RAJA MANNAR		LECTURER, DEPARTMENT OF BUSINESS ADMINISTRATION, ST. THERESA INTL COLLEGE, THAILAND.

3. TITLE OF THE INVENTION: **"EVALUATION OF ACADEMIC PERFORMANCE USING DEEP LEARNING"**

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT	SHASHIKALA S ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, AMMA, 7TH CROSS, VIVEKANANDA ROAD, RAMAMURTHY NAGAR, BANGALORE-16, KARNATAKA, INDIA. e-mail: anandtamil003@gmail.com Mobile number: +91-8489970504

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

~~Country~~	Application Number	Filing Date	Name of the Applicant	Title of the Invention

6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION

~~International Application Number.~~	International filling date as allotted by the ~~receiving office~~

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, the above named inventors ~~is~~/are the true & first inventor(s) for this invention and declare that the applicants herein ~~is~~/are ~~my~~/our assignee ~~or legal representative~~.

Signature: Shashikala.S Name: SHASHIKALA S	Signature: 29-h·17 Name: DR. M. JAGADESH
Signature: Name: MS.KHAMBALKAR CHHAYA HANAMANT	Signature: Name: DR.M.KARTHIKEYAN

PATENT OFFICE CHENNAI 01/02/2023 11:17

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

Signature: D. Nagasudha Name: D. NAGA SUDHA	Signature: _____ Name: D.ARUN HAYDN RUNDEEPKUMAR
Signature: [redacted] Name: DR. SONAM BANSAL	Signature: Payel Ray Name: PAYEL RAY
Signature: Chinmay Shah Name: DR CHINMAY SHAH	Signature: B Rajamannar (B. RAJA MANNAR) Name: DR. B. RAJA MANNAR

(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 signatory:

(iii) Declaration by the applicant(s):

I/ ~~We~~, the applicant(s) hereby declare(s) that:-

√ ~~I am~~ /We are in possession of the above-mentioned invention.

√ The ~~provisional~~/complete specification relating to the invention is filed with this application.

X The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/us before the grant of patent to me/us.

√ There is no lawful ground of objection to the grant of patent to ~~me~~/us.

~~X I am~~/We are the assignee ~~or legal representative~~ of true & first inventors.

X The application or each of the application, particulars of which are given in Para 5 was the first application in convention country/countries in respect of my/our invention.

X I/We claim the priority from the above mentioned application(s) filed in convention

PATENT OFFICE CHENNAI 01/02/2023 11:17

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

country/countries and state that no application for protection in respect of the invention had been made in a convention country before that date by me/us or by any person from which I/We derive the title.

X My/our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Para – 6

X The application is divided out of my/our application particulars of which are given in Para – 7 and pray that this application may be treated as deemed to have been filed on _____ under sec. 16 of the Act.

X The said invention is an improvement in or modification of the invention particulars of which are given in Para – 8.

10. Following are the attachments with the application:

a) Complete specification in Form 2 (in duplicate, 16 pages; 6 claims)

b) Abstract (in duplicate, 1 page)

c) Statement and undertaking in Form 3 (in duplicate, 3 pages)

d) Declaration of Inventorship in Form 5 (in duplicate, 5 pages)

e) Form 9 (1 page)

f) Demand Draft for **RS.4500/-** (DD number: **074608**; Bank: KVB; Date: January 21, 2023)

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

Dated this 25th January 2023

Signature: Shashikala.S

Name: SHASHIKALA S

To,
The Controller of Patent,
The Patent Office, at Chennai.

SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION COIMBATORE-641 020

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

PATENT OFFICE CHENNAI 01/02/2023 11:17

30-Jan-2023/9822/202341005852/Form 1

FORM 2
THE PATENTS ACT, 1970
(39 of 1970)
&
The Patents Rules, 2003

Complete Specification
(See section 10 and rule 13)

TITLE OF THE INVENTION:

"EVALUATION OF ACADEMIC PERFORMANCE USING DEEP LEARNING".

1. APPLICANTS

SHASHIKALA S	INDIAN	ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, AMMA, 7TH CROSS, VIVEKANANDA ROAD, RAMAMURTHY NAGAR, BANGALORE-16, KARNATAKA, INDIA.
DR. M. JAGADESH		ASSISTANT PROFESSOR IN EDUCATION, SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION (AUTONOMOUS), PERIANAICKEN PALAYAM, COIMBATORE 641020, TAMIL NADU, INDIA.
MS.KHAMBALKAR CHHAYA HANAMANT		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, HANAMNAT PANDURANG KHAMBALKAR HANUMAN KIRANA STORES, NEAR NAGOBA MANDIR, MAIN ROAD PALUS, A/P-PALUS,TAL-PALUS,DIST-SANGLI, MAHARASHTRA, INDIA.
DR.M.KARTHIKEYAN		PROFESSOR & HEAD, DEPARTMENT OF CIVIL ENGINEERING, DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING, COIMBATORE - 641 105, TAMIL NADU, INDIA.
D. NAGA SUDHA		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, H. NO:14-67, LIG-240, PHASE-II, P. R. PALLY 'X' ROAD, SANGAREDDY-502295, TELANGANA, INDIA.
D.ARUN HAYDN RUNDEEPKUMAR		ASSISTANT PROFESSOR, DEPARTMENT OF IT, V.S.B. COLLEGE OF ENGINEERING TECHNICAL CAMPUS, COIMBATORE – 642109,

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

DR. SONAM BANSAL		TAMIL NADU, INDIA. ASSISTANT PROFESSOR, DEPARTMENT OF EDUCATION, RAO LAL SINGH COLLEGE OF EDUCATION, SIDHRAWALI, GURUGRAM, HARYANA, 13203, ST NO 9, OPPOSITE YOGA ASHRAM, BATHINDA PB, PUNJAB – 151001, INDIA.
PAYEL RAY		RESEARCH SCHOLAR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VILLAGE-BETAI CIVILGANJ POST-BETAI DISTRICT- NADIA, PIN-741163, WEST BENGAL,INDIA.
DR CHINMAY SHAH		PROFESSOR AND HEAD, DEPARTMENT OF PHYSIOLOGY, GMC BHAVNAGAR GUJARAT INDIA 364001, INDIA.
DR. B. RAJA MANNAR		LECTURER, DEPARTMENT OF BUSINESS ADMINISTRATION, ST. THERESA INTL COLLEGE, THAILAND.

The following specification describes the invention and the manner in which it is to be performed.

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION ★ COIMBATORE-641 020 ★

710025248

FORM 3
THE PATENTS ACT, 1970
(39 of 1970)
&
The Patent Rules, 2003
STATEMENT AND UNDERTAKING UNDER SECTION 8
[See Section 8, RULE 12]

I/We,

SHASHIKALA S	INDIAN	ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, AMMA, 7TH CROSS, VIVEKANANDA ROAD, RAMAMURTHY NAGAR, BANGALORE-16, KARNATAKA, INDIA.
DR. M. JAGADESH		ASSISTANT PROFESSOR IN EDUCATION, SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION (AUTONOMOUS), PERIANAICKEN PALAYAM, COIMBATORE 641020, TAMIL NADU, INDIA.
MS.KHAMBALKAR CHHAYA HANAMANT		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, HANAMNAT PANDURANG KHAMBALKAR HANUMAN KIRANA STORES, NEAR NAGOBA MANDIR, MAIN ROAD PALUS, A/P-PALUS,TAL-PALUS,DIST-SANGLI, MAHARASHTRA, INDIA.
DR.M.KARTHIKEYAN		PROFESSOR & HEAD, DEPARTMENT OF CIVIL ENGINEERING, DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING, COIMBATORE - 641 105, TAMIL NADU, INDIA.
D. NAGA SUDHA		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, H. NO:14-67, LIG-240, PHASE-II, P. R. PALLY 'X' ROAD, SANGAREDDY-502295, TELANGANA, INDIA.
D.ARUN HAYDN RUNDEEPKUMAR		ASSISTANT PROFESSOR, DEPARTMENT OF IT, V.S.B. COLLEGE OF ENGINEERING TECHNICAL CAMPUS, COIMBATORE – 642109,

Sri Ramakrishna Mission Vidyalaya College of Education (Autonomous) Coimbatore-641 020.

Principal i/c

		TAMIL NADU, INDIA.
DR. SONAM BANSAL		ASSISTANT PROFESSOR, DEPARTMENT OF EDUCATION, RAO LAL SINGH COLLEGE OF EDUCATION, SIDHRAWALI, GURUGRAM, HARYANA, 13203, ST NO 9, OPPOSITE YOGA ASHRAM, BATHINDA PB, PUNJAB – 151001, INDIA.
PAYEL RAY		RESEARCH SCHOLAR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VILLAGE-BETAI CIVILGANJ POST-BETAI DISTRICT- NADIA, PIN-741163, WEST BENGAL,INDIA.
DR CHINMAY SHAH		PROFESSOR AND HEAD, DEPARTMENT OF PHYSIOLOGY, GMC BHAVNAGAR GUJARAT INDIA 364001, INDIA.
DR. B. RAJA MANNAR		LECTURER, DEPARTMENT OF BUSINESS ADMINISTRATION, ST. THERESA INTL COLLEGE, THAILAND.

hereby declare:

i) that I/We have not made any application for the same/substantially same invention, outside India.

ii) that the rights in the application(s) ~~has~~/have been assigned to: No one,

that I/We undertake that up to the date of grant of patent by the Controller, I/We would keep him informed in writing the details regarding corresponding applications for patent filed outside India within six months from the date of filing of such applications.

Dated this 25th January 2023

Signature: Shashikala.S

Name: SHASHIKALA S

To
The, Controller of Patents
The patent Office, Chennai

SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION COIMBATORE-641 020

Principal i/c
Sri Ramakrishna Mission Vi
College of Education (Autonomous)
Coimbatore-641 020.

710025249

FORM 5

THE PATENTS ACT, 1970

(39 of 1970)

&

The Patent Rules, 2003

DECLARATION AS TO INVENTORSHIP

[See Section 10(6) AND RULE 13(6)]

1. NAME OF APLICANT(S):

I/We,

SHASHIKALA S	INDIAN	ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, AMMA, 7TH CROSS, VIVEKANANDA ROAD, RAMAMURTHY NAGAR, BANGALORE-16, KARNATAKA, INDIA.
DR. M. JAGADESH		ASSISTANT PROFESSOR IN EDUCATION, SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION (AUTONOMOUS), PERIANAICKEN PALAYAM, COIMBATORE 641020, TAMIL NADU, INDIA.
MS.KHAMBALKAR CHHAYA HANAMANT		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, HANAMNAT PANDURANG KHAMBALKAR HANUMAN KIRANA STORES, NEAR NAGOBA MANDIR, MAIN ROAD PALUS, A/P-PALUS,TAL-PALUS,DIST-SANGLI, MAHARASHTRA, INDIA.
DR.M.KARTHIKEYAN		PROFESSOR & HEAD, DEPARTMENT OF CIVIL ENGINEERING, DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING, COIMBATORE - 641 105, TAMIL NADU, INDIA.
		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,

SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION COIMBATORE-641 020

PATENT OFFICE CHENNAI 01/02/2023 11:17

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

D. NAGA SUDHA		H. NO:14-67, LIG-240, PHASE-II, P. R. PALLY 'X' ROAD, SANGAREDDY-502295, TELANGANA, INDIA.
D.ARUN HAYDN RUNDEEPKUMAR		ASSISTANT PROFESSOR, DEPARTMENT OF IT, V.S.B. COLLEGE OF ENGINEERING TECHNICAL CAMPUS, COIMBATORE – 642109, TAMIL NADU, INDIA.
DR. SONAM BANSAL		ASSISTANT PROFESSOR, DEPARTMENT OF EDUCATION, RAO LAL SINGH COLLEGE OF EDUCATION, SIDHRAWALI, GURUGRAM, HARYANA, 13203, ST NO 9, OPPOSITE YOGA ASHRAM, BATHINDA PB, PUNJAB – 151001, INDIA.
PAYEL RAY		RESEARCH SCHOLAR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VILLAGE-BETAI CIVILGANJ POST-BETAI DISTRICT- NADIA, PIN-741163, WEST BENGAL,INDIA.
DR CHINMAY SHAH		PROFESSOR AND HEAD, DEPARTMENT OF PHYSIOLOGY, GMC BHAVNAGAR GUJARAT INDIA 364001, INDIA.
DR. B. RAJA MANNAR		LECTURER, DEPARTMENT OF BUSINESS ADMINISTRATION, ST. THERESA INTL COLLEGE, THAILAND.

hereby declare that the true and first inventor(s) of the invention disclosed in the complete specification titled **"EVALUATION OF ACADEMIC PERFORMANCE USING DEEP LEARNING"** are

2. INVENTOR (S)

Principal/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

SHASHIKALA S	INDIAN	ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, AMMA, 7TH CROSS, VIVEKANANDA ROAD, RAMAMURTHY NAGAR, BANGALORE-16, KARNATAKA, INDIA.
DR. M. JAGADESH		ASSISTANT PROFESSOR IN EDUCATION, SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION (AUTONOMOUS), PERIANAICKEN PALAYAM, COIMBATORE 641020, TAMIL NADU, INDIA.
MS.KHAMBALKAR CHHAYA HANAMANT		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, HANAMNAT PANDURANG KHAMBALKAR HANUMAN KIRANA STORES, NEAR NAGOBA MANDIR, MAIN ROAD PALUS, A/P-PALUS,TAL-PALUS,DIST-SANGLI, MAHARASHTRA, INDIA.
DR.M.KARTHIKEYAN		PROFESSOR & HEAD, DEPARTMENT OF CIVIL ENGINEERING, DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING, COIMBATORE - 641 105, TAMIL NADU, INDIA.
D. NAGA SUDHA		ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, H. NO:14-67, LIG-240, PHASE-II, P. R. PALLY 'X' ROAD, SANGAREDDY-502295, TELANGANA, INDIA.
D.ARUN HAYDN RUNDEEPKUMAR		ASSISTANT PROFESSOR, DEPARTMENT OF IT, V.S.B. COLLEGE OF ENGINEERING TECHNICAL CAMPUS, COIMBATORE – 642109, TAMIL NADU, INDIA.
		ASSISTANT PROFESSOR, DEPARTMENT OF EDUCATION, RAO LAL SINGH COLLEGE OF

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

DR. SONAM BANSAL		EDUCATION, SIDHRAWALI, GURUGRAM, HARYANA, 13203, ST NO 9, OPPOSITE YOGA ASHRAM, BATHINDA PB, PUNJAB – 151001, INDIA.
PAYEL RAY		RESEARCH SCHOLAR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VILLAGE-BETAI CIVILGANJ POST-BETAI DISTRICT- NADIA, PIN-741163, WEST BENGAL,INDIA.
DR CHINMAY SHAH		PROFESSOR AND HEAD, DEPARTMENT OF PHYSIOLOGY, GMC BHAVNAGAR GUJARAT INDIA 364001, INDIA.
DR. B. RAJA MANNAR		LECTURER, DEPARTMENT OF BUSINESS ADMINISTRATION, ST. THERESA INTL COLLEGE, THAILAND.

Dated this 25th January 2023

Signature: Shashikala.S
Name: SHASHIKALA S

3. DECLARATION TO BE GIVEN WHEN THE APPLICATION IN INDIA IS FILED BY THE APPLICANT (S) IN THE CONVENTION COUNTRY:-

We the applicant(s) in the convention country hereby declare that our right to apply for a patent in India is by way of assignment from the true and first inventor(s).

Dated this.. day of ..

Signature: -

Name of the signatory:

4. STATEMENT (to be signed by the additional inventor(s) not mentioned in the application form)

We assent to the invention referred to in the above declaration, being included in the complete specification filed in pursuance of the stated application.

SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION ★ COIMBATORE-641 020 ★

PATENT OFFICE CHENNAI 01/02/2023 11:17

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

Dated this.....day of 20

Signature of the additional inventor(s): -_____

Name: -

To,
The Controller of Patent
The Patent Office, at Chennai

Note:-
*Repeat boxes in case of more than one entry.
*To be signed by the applicants(s) or by authorized registered patent agent otherwise where mentioned.
*Name of the applicant should be given in full, family mane in the beginning.
*Complete address of the applicant should be given stating the postal index no./code, state and country.
*Strike out the column which is/are not applicable.

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

CBR: 4216
DATE: 30/01/2023
Amt: 2750/-
P.2
30/01/23

FORM 9
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENTS RULES, 2003
REQUEST FOR PUBLICATION
[See section 11A (2); rule 24A]

1. Name, address and nationality of applicant(s):

SHASHIKALA S
ASSISTANT PROFESSOR,
DEPARTMENT OF COMPUTER SCIENCE,
AMMA, 7TH CROSS, VIVEKANANDA ROAD,
RAMAMURTHY NAGAR, BANGALORE-16,
KARNATAKA, INDIA.

710025250

hereby request for early Publication of our Patent application Titled **"EVALUATION OF ACADEMIC PERFORMANCE USING DEEP LEARNING"** and application No..... dated.....25th January 2023..... under section 11A(2) of the Act.

Dated this 25th January 2023

Signature: Shashikala.S
Name: SHASHIKALA S

To
The Controller of Patents,
The Patent Office, At...Chennai....

Note.— For fee: See First Schedule.

PATENT OFFICE CHENNAI 01/02/2023 11:17

SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION COIMBATORE-641 020

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

"EVALUATION OF ACADEMIC PERFORMANCE USING DEEP LEARNING"

FIELD OF THE INVENTION

The present invention relates to the field of computer science and engineering. An Adequate self-esteem of schoolchildren is formed under the influence of the teacher's standards and value judgments. If these influences are negative, they lead to the formation of low self-esteem, cause lack of self-confidence in the student, resulting in a decrease in learning motivation and interest in learning; Changes in interpersonal relationships within the class group help in raising the status of students.

BACKGROUND OF THE INVENTION

[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] A number of different types of evaluation of academic performance techniques that are known in the prior art. For example, the following patents are provided for their supportive teachings and are all incorporated by reference.

[0003] US10528878B2:- TAILORING QUESTION ANSWERING SYSTEM OUTPUT BASED ON USER EXPERIENCE - A mechanism is provided in a data processing system for tailoring question answering system output based on user expertise. The mechanism receives an input question from a questioning user and determines a set of features associated with text of the input question. The mechanism determines an expertise level of the questioning user based on the set of features associated with the text of the input question using a trained expertise model. The mechanism generates one or more candidate answers for the input question and tailors output of the one or more candidate answers based

on the expertise level of the questioning user.

[0004] US20160071022A1:- MACHINE LEARNING MODEL FOR LEVEL-BASED CATEGORIZATION OF NATURAL LANGUAGE PARAMETERS - A mechanism is provided in a data processing system for categorizing a user providing a text input. The mechanism receives an input text written by a user and determines a set of features associated with the input text. The mechanism processes the input text and the set of features by a detection model. The detection model comprises a plurality of detectors corresponding to a plurality of categories. Each of the plurality of detectors determines whether the user fits a respective category based on the input text and the set of features. The mechanism categorizes the user into one or more of the plurality of categories based on a result of processing the input text and the set of features by the detection model.

[0005] CN110930274A:- PRACTICE EFFECT EVALUATION AND LEARNING PATH RECOMMENDATION SYSTEM AND METHOD BASED ON COGNITIVE DIAGNOSIS - The invention provides a practice effect evaluation and learning path recommendation method based on cognitive diagnosis. And the expanded characteristic preprocessing model carries out primary evaluation on cognitive ability according to the skill attributes of the learner in the testing process, and introduces personalized difference information into the diagnosis model. The deep knowledge tracking model predicts the knowledge mastering ability of the learner according to the test sequence and the implicitly coded heterogeneous characteristics and serves as the basis of learning guidance. The exercise and knowledge network construction model provides a global guide graph of scientific thinking, and the learning path is recommended to the learner by combining cognitive diagnosis, so that the cognitive ability difference in the learning process is considered, and the logic of a knowledge structure is followed.

[0006] US11205103B2:- SEMISUPERVISED AUTOENCODER FOR SENTIMENT

ANALYSIS - A method of modelling data, comprising: training an objective function of a linear classifier, based on a set of labeled data, to derive a set of classifier weights; defining a posterior probability distribution on the set of classifier weights of the linear classifier; approximating a marginalized loss function for an autoencoder as a Bregman divergence, based on the posterior probability distribution on the set of classifier weights learned from the linear classifier; and classifying unlabeled data using the autoencoder according to the marginalized loss function.

[0007] US20200118455A1:- SYSTEMS AND METHODS FOR INSTRUMENTATION OF EDUCATION PROCESSES - Systems and methods for education instrumentation can include one or more servers configured generate a plurality of models for modeling various aspects of an education process using training data related to academic performance of students. The one or more servers can collect data from client devices associated with various education institutions or stakeholders throughout a life cycle of the education process. The one or more servers can use the generated models and the collected data to assess the addressing of education standards and predict or estimate performance metrics associated with the education process. The one or more servers can provide computed metrics or assessments of how well education standards are addressed to one or more client devices for display.

[0008] US20200302296A1:- SYSTEMS AND METHOD FOR OPTIMIZING EDUCATIONAL OUTCOMES USING ARTIFICIAL INTELLIGENCE - The present invention is directed, in one particular implementation, to a cloud computing-based categorization system that comprises at least one electronic database having one or more performance assessment data associated with a plurality of entities matriculated at one or more educational institutions. The system further includes a processor, communicatively coupled to the at least one database, and configured to execute an electronic process that

analyzes and converts said performance assessment data. Through one or more modules, the processor is configured to select performance assessment data corresponding to at least one structured assessment data value; and at least one unstructured assessment data set for an individual and evaluate the structured and un-structed data of the individual using an assessment model configured to classify the entity into one of a plurality of assessment categories. The processor is further configured by one or more modules to generate a graphical representation, for display and output to one or more remote users, of the likelihood that the individual is assigned to one of the plurality of assessment categories.

[0009] US10657838B2:- SYSTEM AND METHOD TO TEACH AND EVALUATE IMAGE GRADING PERFORMANCE USING PRIOR LEARNED EXPERT KNOWLEDGE BASE - A learning sub-system models search patterns of multiple experts in analyzing an image using a recurrent neural network (RNN) architecture, creates a knowledge base that models expert knowledge. A teaching sub-system teaches the search pattern captured by the RNN model and presents to a learning user the information for analyzing an image. The teaching sub-system determines the teaching image sequence based on a difficulty level identified using image features, audio cues, expert confidence and time taken by experts. An evaluation sub-system measures the learning user's performance in terms of search strategy that is evaluated against the RNN model and provides feedback on overall sequence followed by the learning user and time spent by the learning user on each region in the image.

[0010] The above information is presented as background information only to assist with an understanding of the present disclosure. determination has been made, no assertion is made, and as to whether any of the above might be applicable as prior art regarding the present invention.

OBJECTIVE OF THE INVENTION

[0011] Evaluation is the definition and expression in conventional signs-points, as well as the teacher's evaluative judgments of the student's integration of knowledge, skills and abilities established through the program, the level of diligence and the level of discipline. Oral responses, written, control, practical, graphic work, as well as workshops, production and school site work are subject to assessment.

[0012] It takes into account the correctness of the answer in terms of content, its completeness and consistency, accuracy of words, strength of integration of knowledge and consciousness, their relevance in practice, professional training and quality of products. The student's approach to learning, implementation of the institution's charter and rules for students and other norms of conduct are evaluated. Meaningful assessment is the process of relating the progress or outcome of an activity to an intended criterion to:

- Establish the level and quality of student progress in learning and
- Identify and adopt tasks for further improvement.

[0013] These together with other object of the invention, along with the various features of novelty which characterize the invention, are pointed out with particularity in the disclosure. For a better understanding of the invention, its operating advantages and the specific object attained by its uses, reference should be had to the accompanying figures and descriptive matter in which there are illustrated preferred embodiments of the invention.

SUMMARY OF THE INVENTION

[0014] In the view of the foregoing disadvantages inherent in the known types of evaluation of academic performance now present in the prior art, the present invention provides an improved one. As such, the general purpose of the present invention, which will be described subsequently in greater detail, is to provide a new and improved system to implement a

system to support the which has all the advantages of the prior art and none of the disadvantages.

[0015] Such assessment simultaneously motivates the student because. Strengthens, strengthens, confirms the aims of his educational and cognitive activity, and fills him with confidence in his own strength and hope for success. Meaningful assessment is external when it is carried out by a teacher or another student and internal when it is provided by the student. Evaluation and control activities are carried out based on the standard.

[0016] A standard is an example of a process of educational and cognitive activity, its steps and results. Initially set and developed externally, standards are further defined in terms of knowledge, experience, skills, and thus become the basis of internal assessment. Quality should include clarity, truthfulness, accuracy and completeness. A teacher's assessment does not immediately have meaningful meaning for the student. For this, the following conditions are the issues in assessment shown in the following fig.1:

- Lack of assessment - The teacher does not assess the student in any way. Such assessment has a very strong negative impact on the student's learning activities and his self-esteem. This is the worst bet.

- Indirect assessment – This is an assessment of one student by another student. This is a traumatic assessment.
- Uncertain assessment - initial, but it is alrcady a kind of transition to various specific assessments, consciously set by the teacher. A characteristic of indefinite evaluation, which brings it closer to the definite and separates it from the original, is its verbal form. The main, often the only expression is words or gestures that do not allow the student to understand how he was evaluated.

[0017] The standard that the teacher uses in his assessment activities in relation to the student must be clear to the student; It is important that the teacher's and student's views of the material being assessed are congruent; Various ways of organizing external evaluation (collective evaluation, mutual evaluation of classmates) based on trust in the student, respect for his personality, belief in his strength, developing a serious, interested attitude to criticism, strengthening self-awareness.

[0018] Awareness of importance in the team, care of his teammates, teachers. In forming an internally meaningful self-evaluation of a student's academic performance, the student's exposure to the meaning, purpose of learning, and education acquires special importance. The fact is that a student, as a rule, focuses on the external and not on the internal aspects of life. The essence of teaching is to transform the personality of students by imparting knowledge, skills, thinking and activities.

[0019] These together with other summary of the invention, along with the various features of novelty which characterize the invention, are pointed out with particularity in the disclosure. For a better understanding of the invention, its operating advantages and the specific summary attained by its uses, reference should be had to the accompanying figures and descriptive matter in which there are illustrated preferred embodiments of the invention.

DETAILED DESCRIPTION OF THE INVENTION

[0020] In the following detailed description, reference is made to the accompanying figures which form a part hereof, and in which is shown by way of illustration specific embodiments in which the invention may be practiced. These embodiments are described in sufficient detail to enable those skilled in the art to practice the invention, and it is to be understood that the embodiments may be combined, or that other embodiments may be utilized and that structural and logical.

[0021] While the present invention is described herein by way of example using several embodiments and illustrative figures, those skilled in the art will recognize that the invention is neither intended to be limited to the embodiments of figures or drawings described, nor intended to represent the scale of the various components.

[0022] Further, some components that may form a part of the invention may not be illustrated in certain figures, for ease of illustration, and such omissions do not limit the embodiments outlined in any way. It should be understood that the figures and detailed description thereto are not intended to limit the invention to the particular form disclosed, but on the contrary, the invention covers all modification/s, equivalents and alternatives falling within the spirit and scope of the present invention as defined by the appended claims. The headings are used for organizational purposes only and are not meant to limit the scope of the description or claims.

[0023] With the help of factor analysis, the following assessment activities were identified as assessment activities that form the structure of the teacher's assessment process: planning assessment implications, making assessment decisions, evaluating one's own assessment activity, control processes, studying the student's personality, their behavior and relationships; Personal communication, use and implementation of assessment results, predicting the impact of assessments on the behavior and development of student personality,

revision of assessments.

[0024] Psychologists and educators isolate such assessment activities by: determining the object of assessment in each specific assessment activity; Adding criteria for evaluating the results of students' educational activities; The rate of progress and results of students' academic activities with a standard model based on evaluation criteria. The proposed innovation model has shown in the following fig.2

- Education- This assessment activity involves recording the existing knowledge, the level of learning of the students, but also the addition and expansion of the knowledge fund. Developing the skills of a methodical and conscientious approach to academic duties;
- Orientation- the impact on the mental work of a student to understand the process of this work and to understand his own knowledge;
- Stimulating - the impact on the sphere of interest through the experience of success or failure, claims and intentions, actions and the formation of relationships;
- Diagnosis constantly monitoring the quality of knowledge of students, measuring the level of knowledge at various stages of education, identifying the reasons for deviation from the set goals and timely adjustment of educational activities;
- Checks the effectiveness of the teacher's teaching activity. Monitoring and evaluation allows the teacher to obtain information about the quality of educational activity, taking into account changes in his work;

[0025] It is generally recognized in teaching theory and practice that a grade is a point expression of teaching assessment, consistent with program standards in academic subjects. Unlike other evaluation methods, students' grades are recorded in school documents - class journals, examination protocols, reports, as well as in personal documents of students - diaries, certificates, certificates, specially issued certificates.

[0026] The history of school marks in the domestic and foreign education system is more than a decade. Nevertheless, the question of accepting the use of grades in schools as a quantitative measure of students' knowledge and skills has its supporters and detractors.

[0027] In the current work, weak students are undervalued by teachers, which contribute to the creation of a low level of claims among them: claims are triggered only by quarterly accounting, which has a weak responsibility meaning for them, their hard work during this period. It gives relative progress, which is taken into account in the teacher's assessment.

[0028] The general trend of many works on the problem of assessing the success of students' educational activities is that one of the leading functions of assessment as a condition for the formation of knowledge and skills among students is called control. According to the theory

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

of stage-by-stage formation of mental actions, this is explained by the fact that control is a part of evaluation activities as one of its functional areas. At the same time, control serves as the basis for developing students' ability to focus and developmental cognitive processes.

- Opinion- This is only a partial evaluation, because it is only an expression of the author's personal attitude. It becomes a grade when it falls systematically on the same student.
- Refusal- these are words, phrases that indicate the incorrectness of the student's answer and prompt the restructuring of his thoughts, accordingly, the tendency to solve problems and the organization or restructuring of his educational activities ("wrong", "wrong").
- Condemnation- different types of punishments, ridicule, sarcasm instead of humor; Reproaches, threats, hints. Students' grievances can be provocative if not ridiculed.
- Agreement- These are words and phrases that indicate the correctness of the student's answer and stimulate the movement of his thoughts in the same direction. The activity is to stimulate and encourage the student in his responses and actions.
- Promotion- meaning or evaluation in words. This is an important teaching technique, which is used to solve the following tasks: to show what is valued in the child's behavior; Reinforce and encourage the child's positive behavior.

[0029] The object of the assessment process corresponds to the object of the educational and cognitive process, which is the system of knowledge and skills of the student. The result of the activity of evaluating the results of the student's academic performance by the teacher is an evaluation, which can be expressed by the sign and intensity of emotional experience, its verbal version, value, depending on the level and method of reflecting relationships.

[0030] According to the theory of the learning process, the assessment activity is created by the need of the student or teacher to obtain information about whether the quality of the

student's or teacher's knowledge and skills in the subject meets the requirements of the program or not. The purpose of the evaluation process is to control the progress of the students and to develop their adequate self-esteem.

[0031] The object of the assessment process corresponds to the object of the educational and cognitive process, which is the system of knowledge and skills of the student. The result of the teacher's assessment of the results of the student's educational activity is an assessment, which can be expressed by the sign and intensity of the emotional experience, its verbal version, depending on the level and method of reflection of the relations.

[0032] In the theory of teaching systems, the composition of structural and functional elements is determined theoretically and empirically and is considered constant for all teaching systems and their sub-systems: the subject and object of teaching influence, the meaning of their collective action, learning goals and teaching communication methods.

Principal
Sri Ramakrishna Mission Vidyalaya
College of Education (Auto...)
Coimbatore-641 020.

WE CLAIM

1. **Evaluation of academic performance using deep learning in claims,** Orientation, influencing the student's mental work, the student's awareness of the process of this work and contributing to the understanding of his own knowledge;
2. **Evaluation of academic performance using deep learning in claims,** Stimulating, influencing the emotional-will sphere through the experience of success and failure, claims and the formation of intentions, actions and relationships;
3. **Evaluation of academic performance using deep learning in claims,** Education is under the direct influence of the sign, "acceleration or deceleration in the speed of mental work, qualitative changes (changes in work methods), changes in the structure of perception, change in intellectual mechanisms."
4. **Evaluation of academic performance using deep learning in claims,** Because of this, assessment affects the intellectual and emotional-affective spheres, ie. On the overall personality of the student. Pedagogical assessment changes the attitudes and perceptions of the school between the class and the student.
5. **Evaluation of academic performance using deep learning in claims,** Under the influence of evaluative influences, important personality traits such as self-esteem and level of claims are formed in children. In this regard, assessment works on the principle of changing self-assessment
6. **Evaluation of academic performance uses deep learning in claims,** Changes in perceptions and attitudes towards the individual on the part of the members of the social group and evaluation and self-evaluative influences are a strong corrective factor in the behavior and activities of the individual.

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

Dated this 25th January 2023

Signature: Shashikala.S

Name: SHASHIKALA S

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.

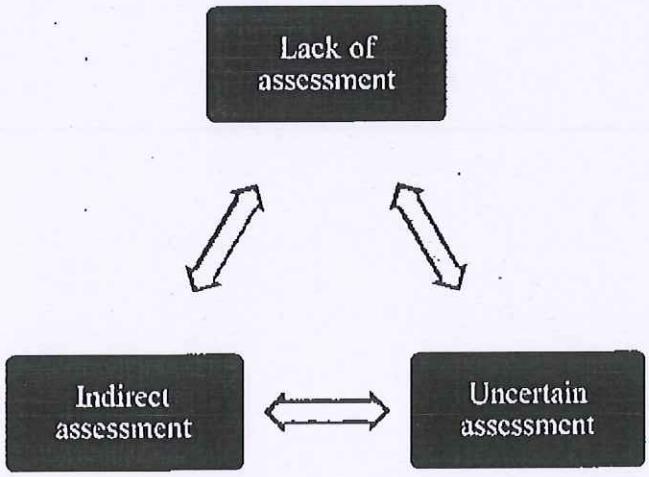

FIG 1: DIFFERENT TYPES OF ASSESSMENT

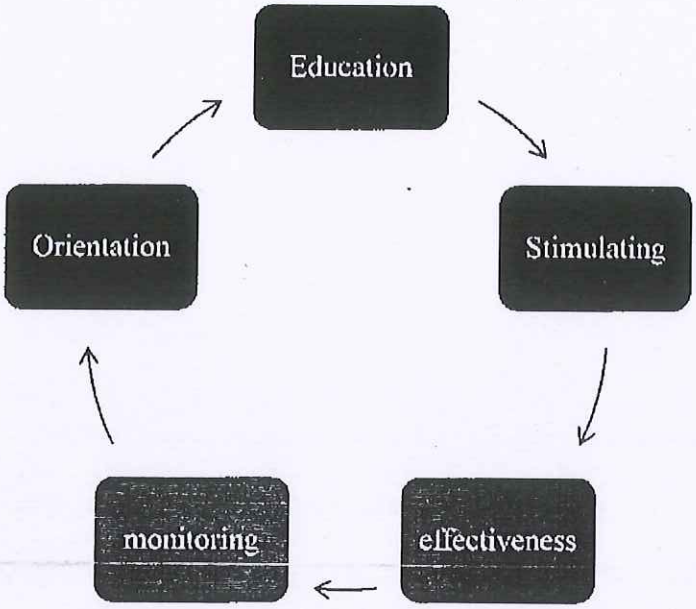

FIG 2: PROPOSED INNOVATION MODEL

ABSTRACT

EVALUATION OF ACADEMIC PERFORMANCE USING DEEP LEARNING

An Adequate self-esteem of schoolchildren is formed under the influence of the teacher's standards and value judgments. If these influences are negative, they lead to the formation of low self-esteem, cause lack of self-confidence in the student, resulting in a decrease in learning motivation and interest in learning; Changes in interpersonal relationships within the class group help in raising the status of students. The positive or negative attitude of classmates towards an individual student depends on the extent to which positive or negative teaching influences and evaluations are applied to him. Through assessments, the teacher educates school students, influencing their approach to learning, work skills, and self-demand. He grows, and if he does it right, their care, diligence and perseverance allow you to truly evaluate your progress and the progress of others. It develops their self-awareness to the right level and creates motivation in school students. Any evaluation that the student perceives as fair, be it positive or negative, affects intentions and becomes a stimulus for their actions and behavior in the future.

Principal i/c
Sri Ramakrishna Mission Vidyalaya
College of Education (Autonomous)
Coimbatore-641 020.