Mahatma Education Society's
Pillai College of Education & Research
Plot-1, Sector-8, Khanda Colony, New Panvel (W)-410206

Metrics 3.1.4

Institution has created an eco-system for innovations and other initiatives for creation & transfer of knowledge.

1) Participative efforts
2) Encouragement of novel ideas
3) Official approval & support for innovative try outs.
4) Material & Procedural supports

Dr. (Ms.) Sally Enos
PRINCIPAL
MAHATMA EDUCATION SOCIETY'S
Pillai College of Education & Research
Dr Pillai Teacher Training & Research Centre
Plot No 1, Sector-8, Khanda Colony,
New Panvel-410 206.

3.1.4 Innovations and other initiatives for creation & transfer of knowledge.

	Name of the researcher	Date of Filing	Ideas/Patents/research	Organization	Status	
1	Mrs Namrata Saxena Application Number: 351151-001	12/10/21	MES SPORK	GEH Research LLP Bengaluru	Design accepte	
2	Dr Sally Enos Application Number:202121048708	15/10/21	Portable Tool to hold the Umbrel Travelling in a Car.	GEH Research LLP Bengaluru	Awaiting request for examination	
3	Dr Bhavna Dave Application Number:202121048707	25/10/21	English Speaking Error Detector AI- Based Mobile Chip.	GEH Research LLP Bengaluru	Awaiting request for examination	
4	Mrs Namrata Saxena Application Number: 352739-001	10/11/2021	The emotional Intelligent bag	GEH Research LLP Bengaluru	Case is in amended case controller	
5	Dr Saramma Mathew	--	Enhance Tactile mark on edible products	GEH Research LLP Bengaluru	Not filed	
6	Dr Geeta S Thakur	--	Pet carrier in the car dicky seats	GEH Research LLP Bengaluru	Not filed	
7	Ms Darshana Jadhav & Dr Sally Enos App No: **202121054866**	26th Nov 2021	Method and Process to Detect the Exam Cheating and P/F using Machine Learning.	GOVERNMENT OF INDIA DEPARTMENT OF SCIENCE AND TECHNOLOGY MINISTRY OF SCIENCE AND TECHNOLOGY TECHNOLOGY BHAVAN, NEW MEHRAULI ROAD NEW DELHI-11001	Not accepted	
8	Ms Radhika Dave & Dr Bhavna Dave **Application Number:202121054869**	26th Nov 2021	"MPC-Academy Development: Method and Process of Teaching and learning in higher education Using Machine Learning."		Not accepted	
9	Ms Isha Dhody & Dr Geeta S Thakur **Application Number:202121054870**	26th Nov 2021	"Students Education Monitoring using Machine Learning and IoT Based Technology."		Not accepted	

IPR Minutes of KAPILA Committee Meeting

The Committee meeting was held in the **IPR-Cell at MES- Campus** on **12/08/2021 from 3.30 pm to 5.30 pm** under the Chairmanship of **Dr. Priam Pillai** for approving the shortlisted application to be filed as patents under the KAPILA scheme.

The following members of the committee attended the meeting (Committee formed as per the KAPILA guidelines) :

SI. No.	Name	Designation	Insitute Name/Company name	Contact No.	Email Address	Signature
1	Dr. B. K. Sarkar	IPR-Director	MAHATMA EDUCATION SOCIETY'S PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY	8059794469	dr.bksarkar2003@yahoo.in	
2	Dr. Reena Singh	CEO	GEH Research LLP, Pune, MH, India.	8766727105	dr.reenasingh2014@yahoo.in	
3	Mr. Mohammed Harun	Patent Agent IN/PA 3474)	Geetadevi Chaudhary (Advocate) of M&P IP	7575008889	info@mandpindia.com	
4	Dr Sally Enos	Principal (B.Ed/M.Ed)	MAHATMA EDUCATION SOCIETY'S PILLAI COLLEGE OF EDUCATION AND RESEARCH	9820374303	senos@mes.ac.in	
5	Dr. Bhavna Dave	Faculty	MAHATMA EDUCATION SOCIETY'S PILLAI COLLEGE OF EDUCATION AND RESEARCH	9869254774	bhavnadave@mes.ac.in	

The following applications have been identified for submission; (Expand table as per the number of all submitted patents).

Si. No.	Title of ideas	Inventor Name (Mention whether faculty or student)	Co-Inventor Name	Department	Contact No.	Email	Accepted (A) / Rejected (R)
1	**MES SPORK**	**Mrs Namrata Saxena (Faculty)**	**Mrs Namrata Saxena**	**Education**	**9819325569**	**Namrata.saxena@mes.ac.in**	**Accepted**
2	"English Speaking Error Detector AI-Based Mobile Chip"	**Dr Bhavna Dave (Faculty)**	**Mr Hardik Dave**	**Education**	**9869254774**	**bhavnadave@mes.ac.in**	**Accepted**
3	Portable Tool to hold the Umbrella Travelling in a Car	**Dr Sally Enos (Faculty)**	**Mr Rohan Enoss Mathew**	**Education**	**9820374303**	**senos@mes.ac.in**	**Accepted**
4	Enhance tactile mark on edible products	Dr. Saramma Mathew	Dr. Saramma Mathew	**Education**	9920140583	sarammamathew@mes.ac.in	Rejected
5	The Emotional Intelligent Bag'	**Mrs Namrata Saxena (Faculty)**	**Mrs Namrata Saxena**	**Education**	**9819325569**	**Namrata.saxena@mes.ac.in**	**Accepted**
6	Pet carrier in the car dicky seats	Dr Geeta S Thakur	Dr Geeta S Thakur	**Education**		geetasthakur@mes.ac.in	

There were submission of **total 06** applications from post graduate department of Education of the institute which were presented by faculty innovator. After detailed discussion and deliberation, **05** applications were finalised for submission to KAPILA scheme.

Out of 06 selected 04- go to File Patent

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Dr Pillai Teacher Training & Research Centre
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New Panvel-410 206.

(Sign of Head of Institution)

****

UNDERTAKING FROM YOUNG SCIENTIST

As this is a young scientist-oriented project, I will undertake all the approved activities under the project till the completion of the project tenure. Failure to complete the project objectives (without any justified reason) or leaving in midterm of the project would make me liable for returning the fund completely including manpower component.

Darshana

(Name of the PI)
Signature with date
DARSHANA JADHAV
27|11|2021

MAHATMA EDUCATION SOCIETY'S SECTOR-8 NEW PANVEL 410206 PCER

(Name of the Mentor)
Signature with date
DR SALLY ENOS
27-11-2021

CERTIFICATE FROM THE YOUNG SCIENTIST

PROJECT TITLE: **"Method and Process to Detect the Exam Cheating and P/F using Machine Learning."**

1. We agree to abide by the terms and conditions of the DST grant.

2. We did not submit this or a similar project proposal elsewhere for financial support.

3. We have explored and ensured that equipment and basic facilities will actually be available as and when required for the purpose of the project. We shall not request financial support under this project, for procurement of these items.

4. We undertake that spare time on permanent equipment will be made available to other users.

5. We understand that this is PI centric project aimed to encourage young researchers towards
societal research and it will not be transferred to any other researcher/scientist.

6. We have enclosed the following materials:

ITEMS :02 NUMBER OF COPIES

(a) Endorsement from the Head of -1- On the Institution (on letter head)

(b) Copies of the proposals-1 (PDF)

Date : 27-11-2021

Place: PANVEL

Darshana

Name & Signature of
Young Scientist

DARSHANA JADHAV

Name & Signature
of Mentor DR SALLY ENDI

MAHATMA EDUCATION SOCIETY'S PCER SECTOR-8 NEW PANVEL 410206

UNDERTAKING FROM YOUNG SCIENTIST

As this is a young scientist-oriented project, I will undertake all the approved activities under the project till the completion of the project tenure. Failure to complete the project objectives (without any justified reason) or leaving in midterm of the project would make me liable for returning the fund completely including manpower component.

Radhika D.

(Name of the PI)
Signature with date
Smt Radhika Dave

MAHATMA EDUCATION SOCIETY'S PCER SECTOR-8 NEW PANVEL 410206

(Name of the Mentor)
Signature with date
Dr. Bhavna Dave

CERTIFICATE FROM THE YOUNG SCIENTIST

PROJECT TITLE: **"MPC-Academy Development: Method and Process of Teaching and learning in higher education Using Machine Learning."**

1. We agree to abide by the terms and conditions of the DST grant.

2. We did not submit this or a similar project proposal elsewhere for financial support.

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6. We have enclosed the following materials:

ITEMS :02 NUMBER OF COPIES

(a) Endorsement from the Head of -1- On the Institution (on letter head)

(b) Copies of the proposals-1 (PDF)

Date : 27.11.2021

Radhika D.
Name & Signature of
Young Scientist
Smt. Radhika Dave

Name & Signature
of Mentor
Dr. Bhavna Dave

MAHATMA EDUCATION SOCIETY'S SECTOR-8 NEW PANVEL 410206 PCER

Place: Panvel

UNDERTAKING FROM YOUNG SCIENTIST

As this is a young scientist-oriented project, I will undertake all the approved activities under the project till the completion of the project tenure. Failure to complete the project objectives (without any justified reason) or leaving in midterm of the project would make me liable for returning the fund completely including manpower component.

Isha

(Name of the PI)
Signature with date
Smt Isha Dhody

ystthakur

(Name of the Mentor)
Signature with date
Dr. Geeta S Thakur

CERTIFICATE FROM THE YOUNG SCIENTIST

PROJECT TITLE: **"Students Education Monitoring using Machine Learning and IoT Based Technology."**

1. We agree to abide by the terms and conditions of the DST grant.

2. We did not submit this or a similar project proposal elsewhere for financial support.

3. We have explored and ensured that equipment and basic facilities will actually be available as and when required for the purpose of the project. We shall not request financial support under this project, for procurement of these items.

4. We undertake that spare time on permanent equipment will be made available to other users.

5. We understand that this is PI centric project aimed to encourage young researchers towards
societal research and it will not be transferred to any other researcher/scientist.

6. We have enclosed the following materials:

ITEMS :02 NUMBER OF COPIES

(a) Endorsement from the Head of -1- On the Institution (on letter head)

(b) Copies of the proposals-1 (PDF)

Isha

Date : 27-11-2021

Name & Signature of Young Scientist

MRS. ISHA DHODY

Name & Signature of Mentor

DR. GEETA THAKUR

MATHATMA EDUCATION SOCIETY'S SECTOR-8 NEW PANVEL 410206 PCER

Place: PANVEL

Mahatma Education Society's
Pillai College of Education & Research
Plot-1, Sector-8, Khanda Colony, New Panvel (W)-410206

METRICS No. 3.1.4

Details of reports highlighting the claims made by the Institution

Reports of Patents filed by:

- Dr. Sally Enos
- Mrs. Namrata Saxena (2)
- Dr. Bhavna Dave

Dr. (Ms.) Sally Enos
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Pillai College of Education & Research
Dr Pillai Teacher Training & Research Centre
Plot No 1, Sector-8, Khanda Colony,
New Panvel-410 206.

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GOVERNMENT OF INDIA

Controller General of Patents,Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Design Application Details

Application Number:

351151-001

Cbr Number:

208609

Cbr Date:

11/10/2021 20:49:28

Applicant Name:

Ms. Namrata Saxena

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 05/2023 and Journal Date is 03/02/2023

Back (/DesignApplicationStatus/)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230.The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

Design Office, Kolkata : controllerdesign.ipo@nic.in

Controller General of Patents, Designs and Trademarks

Dr. (Ms.) Sally Enos
PRINCIPAL
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Pillai College of Education & Research
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Plot No. 1, Sector 8, Khanda Colony,
New Panvel-410 206.

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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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

Application Details	
APPLICATION NUMBER	202121048708
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/10/2021
APPLICANT NAME	1 . Dr. Sally Enos 2 . Rohan Enoss Mathew
TITLE OF INVENTION	PORTABLE TOOL TO HOLD THE UMBRELLA TRAVELLING IN A CAR.
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	enosally@gmail.com
ADDITIONAL-EMAIL (As Per Record)	senos@mes.ac.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/11/2021

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

View Documents

Dr. (Ms.) Sally Enos
PRINCIPAL
MAHATMA EDUCATION SOCIETY'S
Pillai College of Education & Research
Dr Pillai Teacher Training &

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

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

Document Name	*Created Date/Uploaded Date
Abstract1.jpg	05/11/2021
202121048708-FORM-26 [01-11-2021(online)].pdf	01/11/2021
202121048708-FORM-9 [01-11-2021(online)].pdf	01/11/2021
202121048708-COMPLETE SPECIFICATION [25-10-2021(online)].pdf	25/10/2021
202121048708-DRAWINGS [25-10-2021(online)].pdf	25/10/2021
202121048708-FORM 1 [25-10-2021(online)].pdf	25/10/2021

Note: The displayed "Created Date/Uploaded Date" is dynamic in nature and depends upon the operating system environment of storage. For more information, please contact the Patent office of the respective jurisdiction

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Application Details	
APPLICATION NUMBER	202121048707
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/10/2021
APPLICANT NAME	1 . Dr. Bhavna Dave (Assistant Professor) 2 . Mr. Hardik Dave (Assistant Professor)
TITLE OF INVENTION	ENGLISH SPEAKING ERROR DETECTOR AI- BASED MOBILE CHIP.
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	bhavnadave@mes.ac.in
ADDITIONAL-EMAIL (As Per Record)	bhavnadave14@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	19/11/2021

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

View Documents

Dr. (Ms.) Sally Enos
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Document Name	*Created Date/Uploaded Date
202121048707-FORM 13 [12-08-2022(online)].pdf	12/08/2022
202121048707-RELEVANT DOCUMENTS [12-08-2022(online)].pdf	12/08/2022
Abstract1.jpg	11/11/2021
202121048707-FORM-9 [10-11-2021(online)].pdf	10/11/2021
202121048707-COMPLETE SPECIFICATION [25-10-2021(online)].pdf	25/10/2021
202121048707-DRAWINGS [25-10-2021(online)].pdf	25/10/2021
202121048707-FORM 1 [25-10-2021(online)].pdf	25/10/2021

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GOVERNMENT OF INDIA

Controller General of Patents,Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Design Application Details

Application Number:

352739-001

Cbr Number:

209569

Cbr Date:

08/11/2021 17:03:15

Applicant Name:

Ms. Namrata Saxena

Design Application Status

Application Status:

Case is in Amended Case of Controller

Back (/DesignApplicationStatus/)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230.The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

Design Office, Kolkata : controllerdesign.ipo@nic.in
Controller General of Patents, Designs and Trademarks

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Mahatma Education Society's
Pillai College of Education & Research
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Metrics 3.1.4

2. Encouragement to Novel Ideas

- Scheme for Young Scientists and Technologists
  Ministry of Science & Technology, Govt. of India

- Design & Ideas -Patent Filing (GEH Research LLP)

Dr. (Ms.) Sally Enos
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Pillai College of Education & Research
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Plot No 1, Sector-8, Khanda Colony,
New Panvel-410 206.

Temporary Registration No. : TPN / 75493

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Ministry of Science & Technology
Government of India

Project Proposal On

"Method and Process to Detect the Exam Cheating and P/F using Machine Learning"

Submitted to

Division :SEED

Programme or Scheme : Scheme for Young Scientists and Technologists

Submitted by

Project Investigator:

Ms. Darshana Jadhav

MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH, NEW PANVEL-New Panvel W

Part 1 : General Information

General Information:

1.Name of the Institute/University/Organisation submitting the Project Proposal :

MES' PILLAI COLLEGE OF
EDUCATION AND RESEARCH,
NEW PANVEL

2. State	Maharashtra
3. Principal Investigrator Name:	Ms. Darshana Jadhav
4. Category:	General
5. Type of the Institue :	Academic Institutions (Private)
6. Project Title :	Method and Process to Detect the Exam Cheating and P/F using Machine Learning
7. Division :	SEED
8. Programme Or Scheme :	Scheme for Young Scientists and Technologists
9. Academic Area :	Cognitive Sciences,
10. Application Area :	Digital technologies,
11. Goverment National Initiative :	Digital India,
12. Type of Proposal :	Proposal Against Call
13. Project Duration :	3 Years and 0 Months
14. Proposal Submit Date :	27/11/2021
15. Project Keywords :	Students Teachers Administrative staff Negative marking Online Exam Detect Problem Notify the Students Result Direct Display Formative assessment Summative assessment

16. Project Summary :

Objectives

1The objective of the invention is to provide a “Method and Process to Detect the Exam Cheating and P/F using Machine Learning”. The COVID-19 pandemic has instigated most of schools and colleges all throughout the planet to change to remote instructing.

2The other objective of the invention is to provide a best test in web-based schooling is saving the scholastic uprightness of understudy evaluations. The absence of direct management by educators during conclusive assessments represents a huge danger of scholastic unfortunate behavior.

3The other objective of the invention is to provide a propose another way to deal with recognizing expected instances of undermining the last test of the year utilizing AI strategies. We treat the issue of distinguishing the likely instances of cheating as an anomaly recognition issue.

4The other objective of the invention is to provide a explored the predominance of potential e-tricking utilizing a contextual analysis and propose preventive estimates that could be carried out. We have used an e-conning insight specialist as an instrument for distinguishing the acts of web-based cheating, which is made out of two significant modules the web convention IP indicator and the conduct finder.

5The other objective of the invention is to provide a insight specialist screens the conduct of the understudies and can forestall and recognize any noxious practices. It tends to be utilized to appoint randomized different decision inquiries in a course assessment and be incorporated with internet learning projects to screen the conduct of the understudies.

Methodology

We planned an internet-based assessment as a contextual investigation, which comprised of various decision questions, in which an e-duping clever specialist was utilized to distinguish any likely cheating. The e-bamboozling knowledge specialist comprises of two principle specialists the organization IP location specialist portrayed in Section III-A and the conduct identification specialist depicted in Section III-B.

The engineering of the proposed framework. A. Organization IP Detection Agent Emerging security investigation has brought issues to light of the difficulties of internet learning and has caught the quickly expanding consideration of specialists of growing new e-learning appraisal techniques. The current issues emerge from the lacking comprehension of the security dataset that is put away through network conventions and the examinations of information that utilization semantic affiliation and surmising techniques.

The proposed model is a two-stage process. In the primary stage, we propose applying an IP identification specialist to channel any underhanded action. For instance, the framework can screen the test up-and-comers' IP addresses. Most switches distribute dynamic IP addresses, which are mathematical marks that are explicitly relegated to every gadget that is associated with a PC organization. This would empower the framework to give an alarm if an understudy changed their PC gadget or their underlying area. In the proposed technique, there would be a few arrangements of test questions like Set A, B, C, and so forth

In this segment, we present our calculation for identifying possible instances of undermining the last test of the year. The contributions to the calculation are successions of grades—tests, midterm test, the last test of the year—of a whole class, while the yield is an assortment of names—one name for every understudy—showing whether or not every understudy cheated. The proposed strategy comprises of two sections relapse and solo exception location. Initial, a repetitive neural organization model is prepared to foresee the end of the year test scores dependent on the past appraisal scores. Then, at that point, an anomaly discovery model is applied to recognize the examples where the distinction between the genuine and the anticipated end of the year test scores is unusual. Since the info information is unlabeled, the proposed technique is a solo calculation.

The occupation of recognizing strange end of the year test scores is certainly not a direct undertaking. There are a few contemplations that should be considered. The irregularity of a last test of the year score relies exceptionally upon the wide range of various scores in class. A test score that is atypical for one class of understudies might be totally typical for another class. Be that as it may, further tests are needed to all the more likely comprehend this issue.

Second, the current AI methods should be customized to the specific highlights of the issue. We wish to recognize the peculiar scores by contrasting the scores earlier with the end of the year test to the score on the last, most important test. It makes sense that an understudy with a huge hole between the two scores is bound to have cheated. Carrying out this way of thinking requires a custom arrangement.

Third, the fleeting idea of the appraisals should be considered during the investigation. Tests, term tests, projects, and the end of the year test are taken in succession. The request for the appraisals contains essential data. For instance, the scores 79, 90, 70, 61, 50, 95 pass on unexpected data in comparison to the scores 50, 61, 70, 79, 90, 95. The previous succession of scores is ordinary while the last option is unusual

Since the scores in various classes have their own specific attributes the grades of each class should be dissected independently. The requirement for individual examination of each set of test scores steers us toward exception identification strategies. Customary anomaly location calculations are intended to work with next to no earlier preparing. Each dataset is breaking down all alone and the unusual occurrences are hailed by the calculation. In any case, the standard anomaly location calculations experience the ill effects of two essential disadvantages.

To begin with, given a n-dimensional component vector, solo anomaly discovery strategies don't generally distinguish the significant highlights. It is conceivable that one of the highlights is more applicable than the rest in distinguishing exceptions. For our situation, obviously the grade on the last, most important test is more pertinent than, say, the grade on test 1. The customary exception discovery techniques don't give a choice of doling out various loads to highlights. This drawback applies to many AI calculations including neural organizations. Second, anomaly location techniques don't consider the fleeting idea of the successive information.

The worldly data can altogether further develop the learning results of calculations. Given the above inadequacies, exception discovery strategies should be supplemented with another technique that considers the laid-out contemplations. One of the best present-day AI ways to deal with taking care of successive information is intermittent neural organizations. These organizations utilize the information from the past strides to make expectations about the subsequent stage. Consequently, our methodology depends on two key fixings neural organizations and peculiarity identification.

Behaviour Detection Agent
We contrived a conduct discovery specialist by means of a profound learning way to deal with screen and dissect the conduct of the relative multitude of understudies. As delineated in Fig. 1, the specialist would alarm the teachers and quickly reassign the excess inquiries with another arrangement of inquiries just in occurrences where strange conduct is identified in the understudies during the assessments. The accompanying sub-areas give a nittier gritty clarification of the conduct discovery specialist.
1 Data pre-handling Before preparing the conduct identification specialist, we previously changed every crude information record into a one-hot encoded include, which characterizes the conduct of the understudy during the assessment. For example, every crude information record contains the aftereffects of the 20 numerous decision questions, the all-out time in minutes taken for noting the assessment, and the last score. In this review, we characterized the one-hot encoded input include as R 1 × N, where N 23.
The initial 20 components address the offered responses of the 20 inquiries as [1, 1, 1, 1, 1, 0, 1, 0, 0] where the qualities 1 and 0 reflect whether the appropriate response is right or erroneous, separately.
The last three components characterize the speed of addressing the inquiries, regardless of whether quick, typical or slow. The last three components are characterized as the speed of responding to questions as quick, ordinary sums up information pre-handling, where the crude information is handled into one-hot encoded highlights.

Calculation 1 IP discovery specialist Input IP address from another examinee E Output Decision D/Initialization Let IPDB be the rundown of ongoing IP with N size assuming E isn't in IPDB, Add E into IPDB return D with irregular sets to E else for I 1 to N do on the off chance that E is found in IPDB[i], return D with explicit sets to E.

We utilize understudies' consistent appraisal results to distinguish unusual scores on the end of the year test. In any case, not at all like a standard exception location task in AI, the understudy appraisal information expects us to think about its successive nature. We address this issue by applying intermittent neural organizations along with peculiarity discovery calculations.

Mathematical analyses on a scope of datasets show that the proposed technique accomplishes a strikingly significant degree of exactness in identifying instances of undermining the test. We accept that the proposed strategy would be a successful apparatus for scholastics and chairmen keen on saving the scholarly respectability obviously evaluations.
The proposed strategy was tried on different informational collections affirming its viability. The outcomes uncovered exactness’s of 68 for the profound neural organization DNN 92 for the long-transient memory LSTM 95 for the Dense LSTM and, 86 for the repetitive neural organization RNN

Part 2: Particulars of Investigators

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सत्यमेव जयते
Ministry of Science & Technology
Government of India

Project Proposal On

"MPC-Academy Development: Method and Process of Teaching and learning in higher education Using Machine Learning"

Submitted to

Division :SEED

Programme or Scheme : Scheme for Young Scientists and Technologists

Submitted by

Project Investigator:

Mrs. Radhika Dave

MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH, NEW PANVEL-New Panvel W

Part 1 : General Information

General Information:

1.Name of the Institute/University/Organisation submitting the Project Proposal :

MES' PILLAI COLLEGE OF
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NEW PANVEL

2. State	Maharashtra
3. Principal Investigrator Name:	Mrs. Radhika Dave
4. Category:	General
5. Type of the Institue :	Academic Institutions (Private)
6. Project Title :	MPC-Academy Development: Method and Process of Teaching and learning in higher education Using Machine Learning
7. Division :	SEED
8. Programme Or Scheme :	Scheme for Young Scientists and Technologists
9. Academic Area :	Cognitive Sciences,
10. Application Area :	Digital technologies,
11. Goverment National Initiative :	Digital India,
12. Type of Proposal :	Proposal Against Call
13. Project Duration :	3 Years and 0 Months
14. Proposal Submit Date :	27/11/2021
15. Project Keywords :	Students, Teachers, Administrative staff, On line education, Detect Problem and solution, Notify the Students, Result Direct Display, Formative Summative assessment

16. Project Summary :

Objectives
1The objective of the invention is to provide a “MPC-Academy Development Method and Process of Teaching and learning in higher education Using Machine Learning” is a investigates the peculiarities of the development of the utilization of man-made brainpower in instructing and learning in advanced education.
2The other objective of the invention is to provide a examines instructive ramifications of arising advancements in transit understudies learn and how establishments educate and advance.
3The other objective of the invention is to provide a late mechanical progression and the speeding up embracing new advances in advanced education are investigated to foresee the future idea of advanced education in this present reality where man-made reasoning is essential for the texture of our colleges.
4The other objective of the invention is to provide a pinpoint a few difficulties for organizations of advanced education and understudy learning in the reception of these innovations for instructing, learning, understudy backing, and organization and investigate further headings for research.
Methodology
There is predictable evidence some introduced in this paper that AI arrangements open another skyline of opportunities for instructing and learning in advanced education. Notwithstanding, concede the current furthest reaches of innovation and concede that AI isn't yet prepared to supplant instructors, yet is introducing the genuine chance to expand them.
We are presently seeing figuring calculations affecting on the most ordinary parts of day to day existence, from people FICO assessments to employability. Advanced education is put at the focal point of this significant change, which carries with it both remarkable freedoms and dangers. This significant intersection requires cautious thought and examination according to a scholastic viewpoint, particularly as we can track down inclinations to view at innovative advancement as an answer or swap for sound educational arrangements or great instructing.

The genuine capability of innovation in advanced education is when appropriately used to broaden human capacities and conceivable outcomes of instructing, learning, and exploration. The reason for this paper is to fuel academic conversations on the advancing field of man-made consciousness in advanced education. This stays lined up with probably the most aggressive examination plans in the field, for example, the National Artificial Intelligence Research and Development Strategic Plan, delivered by the US President Barack Obama in October 2016.

The Report expresses that the dividers among people and AI frameworks are gradually starting to disintegrate, with AI frameworks expanding and upgrading human abilities. Principal research is expected to foster viable techniques for human-AI association and coordinated effort U.S. Public Science and Technology Council 2016. As we note that critical advances in AI and man-made consciousness open additional opportunities and difficulties for advanced education, see that training is famously a human-driven undertaking, not an innovation driven arrangement.
In spite of fast headways in AI, the possibility that we can exclusively depend on innovation is a hazardous way, and keep up with centre around the possibility that people ought to distinguish issues, evaluate, recognize chances, and pose significant inquiries that can begin from issues like security, power constructions, and control to the prerequisite of sustaining imagination and passing on an entryway to luck and unforeseen ways in instructing and learning.

The publicity on AI can prompt an unchallenged panacea that can leave numerous who are on their way to higher learning under the wheels of the real world, for example, that terrible occasion of the driver drove under a truck by what was viewed as a supreme programming. Keeping up with scholarly suspicion on this issue is particularly significant in training, as this is a demonstration that can be decreased to data conveyance and memory we really want to keep up with its plan to assemble instructed minds and dependable residents that are joined to general upsides of humanism.
In addition, many arrangements of assignments that are presently positioned at the centre of showing practice in advanced education will be supplanted by AI programming dependent on complex calculations planned by developers that can send their own inclinations or plans in working frameworks. A continuous scrutinize and request in proposed arrangements stay basic to ensure that colleges remain organizations ready to keep up with progress, advance, and foster information and insight.

Essentially, right now is an ideal opportunity for colleges to reconsider their capacity and instructive models and their future connection with AI arrangements and their proprietors. Moreover, establishments of advanced education see ahead the huge register of conceivable outcomes and provokes opened by the chance to accept AI in instructing and learning. These arrangements present new openings for instruction for all, while cultivating deep rooted learning in a fortified model that can safeguard the trustworthiness of guiding principle and the reason for advanced education.
We think about that there is a requirement for research on the moral ramifications of the flow control on improvements of AI and the likelihood to wilt the lavishness of human information and viewpoints with the syndication of few substances. We likewise accept that attention further exploration on the new jobs of educators on new learning pathways for more serious level understudies, with another arrangement of graduate credits, with an emphasis on creative mind, imagination, and advancement the arrangement of capacities and abilities that can scarcely be at any point recreated by machines.

Part 2: Particulars of Investigators

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Application Area:	Digital technologies,
State:	Maharashtra

Temporary Registration No. : TPN / 75476

सत्यमेव जयते
Ministry of Science & Technology
Government of India

Project Proposal On

"Students Education Monitoring using Machine Learning and IoT Based Technology"

Submitted to

Division :SEED

Programme or Scheme : Scheme for Young Scientists and Technologists

Submitted by

Project Investigator:

Mrs. Isha Dhody

MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH, NEW PANVEL-New Panvel

Part 1 : General Information

General Information:

1.Name of the Institute/University/Organisation submitting the Project Proposal :

MES' PILLAI COLLEGE OF
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2. State	Maharashtra
3. Principal Investigrator Name:	Mrs. Isha Dhody
4. Category:	General
5. Type of the Institue :	Academic Institutions (Private)
6. Project Title :	Students Education Monitoring using Machine Learning and IoT Based Technology
7. Division :	SEED
8. Programme Or Scheme :	Scheme for Young Scientists and Technologists
9. Academic Area :	Cognitive Sciences,
10. Application Area :	Digital technologies,
11. Goverment National Initiative :	Digital India,
12. Type of Proposal :	Proposal Against Call
13. Project Duration :	3 Years and 0 Months
14. Proposal Submit Date :	27/11/2021
15. Project Keywords :	Students Online education Monitoring Recording Detect Problem Finding solution Notify the Students Result Direct Display

16. Project Summary :

Objevtives
1The objective of the invention is to provide a IoT gives a system to incorporated registering gadgets with sensors, cell phones, and distributed computing stages for connection between gadgets. Savvy School is one of the ideas of IoT and is additionally an answer for instruction for understudy checking issues.
2The other objective of the invention is to provide a understudy checking is proposed utilizing an IP-based CCTV framework with the capacity to identify and perceive individuals and also With the help of the utilization of reference point chips as understudy character, the framework can improve on issues of face distinguishing proof to confront confirmation.
3The other objective of the invention is to provide a utilization of fingerprinting methods is an overall strategy used to decide the situation of articles when utilizing guide chips dependent on transmitter flags with the goal that the situation of an understudy's face not really set in stone dependent on the client's position.
4The other objective of the invention is to provide a face check measure is then done by consolidating fingerprinting strategies and facial acknowledgment caught by CCTV cameras with a face correlation technique for Open-Face. Exploratory outcomes show that the proposed framework gives great exactness on understudy observing for savvy school applications.
Methodology
The planning stage in the underlying arrangement eliminate to be conveyed is the establishment of the framework dependent on the engineering that has been proposed. After the engineering is introduced, the following stage is to gather the radio guide for the planning of the indoor situating framework IPS strategy with the fingerprinting procedure. Radioman that has been gathered will be utilized to align the camera. This adjustment is expected to get characteristic and extraneous boundaries from the camera expected to do projection dependent on pin-opening camera models.
B. The observing execution eliminate Monitoring will be conveyed when the area of understudies can be anticipated utilizing the BLE-based indoor situating framework IPS strategy. From this position, the camera will foresee the situation of the head in reality by making virtual jumping boxes with a size adequately enormous to guarantee the situation of the head is inside the bouncing box. The situation of the head that is as of now in the Bounding box is then projected onto the camera picture dependent on the pinhole camera model.

The outcomes are delivered by the projection as an arched structure as pictures. Face raised frame will deliver face discovery on the camera picture. The face on the raised structure is believed to be the substance of an understudy whose area has been recently chosen. Then, at that point in the last stage face check will be performed on the countenances distinguished in the raised structure utilizing the Open-Face strategy.

Procedures Indoor Positioning System
Indoor Positioning System IPS is a technique to discover the situation of articles or individuals in a room by utilizing radio waves. the got signal is gotten dependent on the waves transmitted or sensors that are interconnected through cell phones. IPS that utilizations radio waves enjoy benefits contrasted with different sensors on account of its utilization can catch signals around it.

Radio wave innovation with IPS is normally utilized on WLAN and Bluetooth organizations. One of the employments of wave innovation utilizes an Arduino microcontroller which can catch the sign strength of Bluetooth. Different methods and calculations were taken on to assess the client's situation in remote based restriction.

The Fingerprinting procedure is a strategy by and large used to decide the situation of articles dependent on transmitter signals. There are two stages for deciding the area with the fingerprinting method.

In the disconnected stage, the area assurance is finished by working out the RSSI esteem dependent on the lattice focuses on the predefined region. The distance between the two nearest actual positions is the matrix distance and is generally expressed in meters or feet. Every lattice point has an alternate RSSI list which is then arranged with sufficient insights to make an information base. b. The online stage is the period of computing the assessed area esteem utilizing the position calculation dependent on RSS esteems progressively to the finger impression data set.

Camera Calibration One of the most broadly utilized camera alignment strategies is the strategy proposed by Tsai. The execution requires suitable 3D point facilitates and 2D pixels in the picture. In the alignment procedure there are two phases for working out organizes first, position and direction, while in the subsequent stage, to decide the camera's inner boundaries.

Albeit generally long, the proposed alignment strategy is appropriate for use in huge application regions since it can win coplanar and non-coplanar focuses which permits it to adjust inward and outside boundaries independently

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3. Official approval & Support

- Scheme for Young Scientists and Technologists
  Ministry of Science & Technology, Govt. of India

- Design & Ideas -Patent Filing (GEH Research LLP)

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3. Official approval & support for Innovative Try-outs

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FORM 30 (NEW)

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Statement & Undertaking under Section 8

Application Number:	**202121048708**
Date of Filing:	**25/10/2021 20:33:20**
Type Of Applicant:	**NP**
Title Of Invention:	**Portable Tool to hold the Umbrella Travelling in a Car.**
Address Of Service:	**Dr. Sally Enos Address: MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH, Plot No 1, Sector-8, Khanda Colony, New Panvel (W), Raigad District, Maharashtra 410206, India.**
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Applicant Address:	**): MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH, Plot No 1, Sector-8, Khanda Colony, New Panvel (W), Raigad District, Maharashtra 410206, India.**

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2	Rohan Enoss Mathew	NP	H- 2-1/1, Park Sight CHS, sector 8, Khanda Colony, New Panvel West, Raigad District Maharashtra, India.

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Statement & Undertaking under Section 8

Application Number:	**202121048707**
Date of Filing:	**25/10/2021 20:33:20**
Type Of Applicant:	**NP**
Title Of Invention:	**English Speaking Error Detector AI- Based Mobile Chip.**
Address Of Service:	**Dr. Bhavna Dave (Assistant Professor) Address: MAHATMA EDUCATION SOCIETY'S, PILLAI COLLEGE OF EDUCATION & RESEARCH, NEW PANVEL(W), SECTOR 8, KHANDA COLONY, NAVI MUMBAI, MAHARASHTRA-410206, INDIA**
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Patent App. No: **351151-001**		

Nature of Service

Particulars	**Government Fee**
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CompleteSpecificationDraftingin National/ InternationalPatent Format. Fee: Rs.: 12,500.00	N/A
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INVOICE

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Patent App. No: **352739-001**		

Nature of Service

Particulars	Government Fee
Your Idea, Concept /Convert into a Formal Drafting Fee: Rs.: 2500.00	N/A
Your Idea, Concept Checked the Patentability (Yes, ~~No~~) Indian Govt. Patent Professional Fee. Rs.6,500.00	**N/A**
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Govt. Form Fee	**Rs.: 1150.00**
Tax : 10%	**Rs.: 1100.00**
Total Pay Only:	**Rs.: 12,500.00**

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Declaration As To Inventorship - Form 5

Application Number: 202121054866
Date of Filing: 26/11/2021
Title Of Invention: Method and Process to Detection the Exam Cheating and P/F using Machine Learning.
Address Of Service: MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH Address: MES' PILLAI COLLEGE OF EDUCATION AN No 1, Sector-8, Khanda Colony, New Panvel (W), Raigad District, Maharashtra 410206, India.

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APP.No.	NAME	ADDRESS	LOCALITY	COUNTRY	STATE	CITY	NATIONA
APP.No.	Name	Address	Locality	Country	State	City	Nationali
202121054866				---SELECT--			---SELECT-

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Declaration As To Inventorship - Form 5

Application Number: 202121054869
Date of Filing: 26/11/2021
Title Of Invention: MPC-Academy Development: Method and Process Teaching and learning in higher education Using Machine L
Address Of Service: MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH, Address: MES' PILLAI COLLEGE OF EDUCATION AI No 1, Sector-8, Khanda Colony, New Panvel (W), Raigad District, Maharashtra 410206, India.

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1	Mrs. Radhika Dave	India	India	MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH, Plot No 1, Sector-8, Khanda (W), Raigad District, Maharashtra 410206, India.
2	Dr Bhavna Dave	India	India	MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH, Plot No 1, Sector-8, Khanda (W), Raigad District, Maharashtra 410206, India.

Add Additional Inventor(if any)

APP.No.	NAME	ADDRESS	LOCALITY	COUNTRY	STATE	CITY	NATIONA
APP.No.	Name	Address	Locality	Country	State	City	Nationali
202121054869				---SELECT--			---SELECT-

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Declaration As To Inventorship - Form 5

Application Number: 202121054870
Date of Filing: 26/11/2021
Title Of Invention: Students Education Monitoring using Machine Learning and IoT Based Technology.
Address Of Service: MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH Address: MES' PILLAI COLLEGE OF EDUCATION AN No 1, Sector-8, Khanda Colony, New Panvel (W), Raigad District, Maharashtra 410206, India.

Sr.No.	Applicant Name	Applicant Type	Address
1	MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH	NP	MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH, Plot No 1, Sector-8, K Panvel (W), Raigad District, Maharashtra 410206, India.

Sr.No.	Inventor Name	Inventor Country	Inventor Nationality	Address
1	Mrs. Isha Dhody	India	India	MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH, Plot No 1, Sector-8, Khanda Panvel (W), Raigad District, Maharashtra 410206, India.
2	Dr. Geeta S Thakur	India	India	MES' PILLAI COLLEGE OF EDUCATION AND RESEARCH, Plot No 1, Sector-8, Khanda Panvel (W), Raigad District, Maharashtra 410206, India.

Add Additional Inventor(if any)

APP.No.	NAME	ADDRESS	LOCALITY	COUNTRY	STATE	CITY	NATIONA
APP.No.	Name	Address	Locality	Country	State	City	Nationali
202121054870				---SELECT--			---SELECT-

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4. Material & Procedural Supports

- Scheme for Young Scientists and Technologists
  Ministry of Science & Technology, Govt. of India

- Design & Ideas -Patent Filing (GEH Research LLP)

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Dr. Pillai Teachers Training & Research Centre
Plot.1, Sector 8, Khanda Colony,
New Panvel - 410206 Tel: 2748 0289, 2748 1864
Fax: 2746 4161
NAAC Accredited 'A' Grade

MAHATMA EDUCATION SOCIETY'S

PILLAI COLLEGE OF EDUCATION & RESEARCH

PROJECT TITLE:

"Method and Process to Detect the Exam Cheating and P/F using Machine Learning"

Certified that the Institute welcomes participation of Dr./Shri/**Smt.**/Km. **DARSHANA JADHAV** as the Investigator and **Dr.**/Shri/Smt./Km. **SALLY ENOS** as the Mentor for the project and that in the unforeseen event, the Mentor will assume the responsibility for the fruitful completion of the project (after obtaining consent in advance from DST).

1. Certified that the equipment, other basic facilities and such other administrative facilities as per terms and conditions of the grant, will be extended to investigator (s) throughout the duration of the project.

2. Institute assures financial and other managerial responsibilities of the project.

3. Certified that the organization has never been blacklisted by any department of the State Government or Central Government.

Name and Signature of Head of Institution DR SALLY ENOS

Dr. (Ms.) Sally Enos
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MAHATMA EDUCATION SOCIETY'S
Pillai College of Education & Research
Dr Pillai Teacher Training & Research Centre
Plot No 1, Sector-8, Khanda Colony,
New Panvel-410 206.

Date: 27-11-2021

Place: PANVEL

REMARKS: In regard to research proposals emanating from scientific institutions/laboratories under various scientific departments the Head of the institution is required to provide a justification indicating clearly whether the research proposals fall in line with the normal research activities of the institution or not and if not, the scientific reasons which merit its consideration by DST.

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MAHATMA EDUCATION SOCIETY'S

PILLAI COLLEGE OF EDUCATION & RESEARCH

PROJECT TITLE:

"Students Education Monitoring using Machine Learning and IoT Based Technology."

Certified that the Institute welcomes participation of Dr./Shri/**Smt.**/Km. **Isha Dhody** as the Investigator and **Dr.**/Shri/Smt./Km. **Geeta S Thakur** as the Mentor for the project and that in the unforeseen event, the Mentor will assume the responsibility for the fruitful completion of the project (after obtaining consent in advance from DST).

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Name and Signature of Head of Institution

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New Panvel-410 206.

Date: 27-11-2021

Place: PANVEL

REMARKS: In regard to research proposals emanating from scientific institutions/laboratories under various scientific departments the Head of the institution is required to provide a justification indicating clearly whether the research proposals fall in line with the normal research activities of the institution or not and if not, the scientific reasons which merit its consideration by DST.

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MAHATMA EDUCATION SOCIETY'S

PILLAI COLLEGE OF EDUCATION & RESEARCH

PROJECT TITLE:

"MPC-Academy Development: Method and Process of Teaching and learning in higher education Using Machine Learning"

Certified that the Institute welcomes participation of Dr./Shri/**Smt**./Km. **Radhika Dave** as the Investigator and **Dr**./Shri/Smt./Km. **Bhavna Dave** as the Mentor for the project and that in the unforeseen event, the Mentor will assume the responsibility for the fruitful completion of the project (after obtaining consent in advance from DST).

1. Certified that the equipment, other basic facilities and such other administrative facilities as per terms and conditions of the grant, will be extended to investigator (s) throughout the duration of the project.

2. Institute assures financial and other managerial responsibilities of the project.

3. Certified that the organization has never been blacklisted by any department of the State Government or Central Government.

Name and Signature of Head of Institution

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New Panvel-410 206.

Date: 27-11-2021

Place: PANVEL

REMARKS: In regard to research proposals emanating from scientific institutions/laboratories under various scientific departments the Head of the institution is required to provide a justification indicating clearly whether the research proposals fall in line with the normal research activities of the institution or not and if not, the scientific reasons which merit its consideration by DST.

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- Design & Ideas -Patent Filing (GEH Research LLP)

	Name of the researcher	Date of Filing	Ideas/Patents/research	Organization	Status
1	Mrs Namrata Saxena Application Number: 351151-001	12/10/21	MES SPORK	GEH Research LLP Bengaluru	Design accepted
2	Dr Sally Enos Application Number:202121048708	15/10/21	Portable Tool to hold the Umbrella Travelling in a Car.	GEH Research LLP Bengaluru	Awaiting request for examination
3	Dr Bhavna Dave Application Number:202121048707	25/10/21	English Speaking Error Detector AI-Based Mobile Chip.	GEH Research LLP Bengaluru	Awaiting request for examination
4	Mrs Namrata Saxena Application Number: 352739-001	10/11/2021	The emotional Intelligent bag	GEH Research LLP Bengaluru	Case is in amended case of controller

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ORIGINAL

मूल/No : 128464

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भारत सरकार
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THE PATENT OFFICE
डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No.	:	351151-001
तारीख / Date	:	11/10/2021
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **MES SPORK** से संबंधित है, का पंजीकरण, श्रेणी **07-03** में Ms. Namrata Saxena के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **07-03** in respect of the application of such design to **MES SPORK** in the name of Ms. Namrata Saxena.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

निर्गमन की तारीख/Date of Issue : 02/02/2023

महानियंत्रक पेटेंट डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

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Design Application Details

Application Number:

351151-001

Cbr Number:

208609

Cbr Date:

11/10/2021 20:49:28

Applicant Name:

Ms. Namrata Saxena

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 05/2023 and Journal Date is 03/02/2023

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Design Office, Kolkata : controllerdesign.ipo@nic.in

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Application Details	
APPLICATION NUMBER	202121048708
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/10/2021
APPLICANT NAME	1 . Dr. Sally Enos 2 . Rohan Enoss Mathew
TITLE OF INVENTION	PORTABLE TOOL TO HOLD THE UMBRELLA TRAVELLING IN A CAR.
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	enosally@gmail.com
ADDITIONAL-EMAIL (As Per Record)	senos@mes.ac.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/11/2021

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

View Documents

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202121048708-FORM-26 [01-11-2021(online)].pdf	01/11/2021
202121048708-FORM-9 [01-11-2021(online)].pdf	01/11/2021
202121048708-COMPLETE SPECIFICATION [25-10-2021(online)].pdf	25/10/2021
202121048708-DRAWINGS [25-10-2021(online)].pdf	25/10/2021
202121048708-FORM 1 [25-10-2021(online)].pdf	25/10/2021

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Application Details	
APPLICATION NUMBER	202121048707
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/10/2021
APPLICANT NAME	1 . Dr. Bhavna Dave (Assistant Professor) 2 . Mr. Hardik Dave (Assistant Professor)
TITLE OF INVENTION	ENGLISH SPEAKING ERROR DETECTOR AI- BASED MOBILE CHIP.
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	bhavnadave@mes.ac.in
ADDITIONAL-EMAIL (As Per Record)	bhavnadave14@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	19/11/2021

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

View Documents

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202121048707-RELEVANT DOCUMENTS [12-08-2022(online)].pdf	12/08/2022
Abstract1.jpg	11/11/2021
202121048707-FORM-9 [10-11-2021(online)].pdf	10/11/2021
202121048707-COMPLETE SPECIFICATION [25-10-2021(online)].pdf	25/10/2021
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Ministry of Commerce and Industry

Design Application Details

Application Number:

352739-001

Cbr Number:

209569

Cbr Date:

08/11/2021 17:03:15

Applicant Name:

Ms. Namrata Saxena

Design Application Status

Application Status:

Case is in Amended Case of Controller

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Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230.The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

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