भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
Office of the Controller General of
Patents, Designs & Trade Marks
वाणिज्य और उद्योग मंत्रालय
Ministry of Commerce & Industry
उद्योग संवर्धन और आंतरिक व्यापार विभाग
Department for Promotion of Industry and Internal Trade

संख्या/No. : POK/NIPAM/2021   दिनांक/Date: 27/01/2022

To
The Principal
Kabi Sukanta Mahavidyalaya
P.O- Angus, Bhadreswar,Dist.- Hooghly, West Bengal-712221

<u>Sub: Awareness on intellectual property (IP) under</u>
<u>"National Intellectual Property Awareness Mission (NIPAM)" organized by DPIIT,</u>
<u>Ministry of Commerce & Industry, Govt. of India – Reg.</u>

Respected Sir,

Our Nation is commemorating the 75th Anniversary of India's Independence and on this occasion a campaign '**Azadi ka Amrit Mahotsav'** is being observed by the Government of India. Under this campaign, all Departments and Ministries are hosting various activities for **'AatmaNirbhar Bharat'**.

Recently, the **Department for Promotion of Industry & Internal Trade under Ministry of Commerce & Industry(DPIIT)** has launched the "**National Intellectual Property Awareness Mission (NIPAM)"**, under which a special drive has been initiated to impart awareness on different aspects of Intellectual Property (IP) to students/ participants across the nation.

As a part of the said campaign, expert resource persons from our Office would be assigned for an online session to create awareness among the students in your department/ institution. After successful completion of the said session, a certificate in the name of participant as well as institution shall be issued by the competent authority.

A line of confirmation for allowing the said programme to be conducted in your institution is kindly solicited.

With Warm Regards,

Yours sincerely,

(Dr. Sukanya Chattopadhyay)
Deputy Controller of Patents & Designs & Head of Office
& Sr. Team Leader - NIPAM

Dr. SUKANYA CHATTOPADHYAY
Dy. Controller of Patents & Designs
And Head of Office
The Patent Office, Govt. of India
CP-2, Sector-V, Sa
00 09

কবি সুকান্ত মহাবিদ্যালয়

KABI SUKANTA MAHAVIDYALAYA

A Co-Educational Degree College – ARTS & COMMERCE

Affiliated to the University of Burdwan

NAAC Accredited Grade 'B' College

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

NIPAM
NATIONAL IP AWARENESS MISSION

One Day Webinar

on

"INTELLECTUAL PROPERTY RIGHTS AWARENESS"

Organized by

IQAC, Kabi Sukanta Mahavidyalaya

In Association with

The Patent Office, Kolkata

SPEAKER

Mr. Mausam Kumar Suman
Examiner of Patents & Designs (Group 'A' Gazetted),
The Patent Office, Kolkata,
DPIIT, Ministry of Commerce & Industry,
Government of India

Date: 29th April 2022
Time: 12 Noon – 01 PM

Online Platform:

Cisco webex

About ➡ Kabi Sukanta Mahavidyalaya

To promote higher education among the boys and girls of Bhadreswar and surrounding villages, persons of different communities, and three local Municipalities viz, Bhadreswar, Champdany, Baidyabati took an avowed aim to establish a centre of higher learning viz, a college in Bhadreswar. And the outcome was the emergence of Kabi Sukanta Mahavidyalaya on December 6, 1986. The Pioneers in the field of establishing this College definitely got extra momentum when Purbanchal Multipurpose Co-operative Society Ltd. came ahead to donate two bighas of land on which our institution shines in its lonesome beauty.

The college offers Honours courses in Bengali, English, Sanskrit, History, Commerce, Geography, Political science, and Sociology. Our college also offers General courses in Economics, Mathematics, and Philosophy. In 2015 the NAAC team visited the college, and the college has been awarded grade "B".

About ➡ Intellectual Property Rights

The first legislation in India relating to patents was the Act VI of 1856. The objective of this legislation was to encourage inventions of new and useful manufactures and to induce inventors to disclose secret of their inventions. Intellectual Property Rights is an inevitable tool for today's globalized economy. Fostering innovation is one of the sustainable development goals set by the Government of India. "An India where Intellectual Property stimulates creativity and innovation for the benefit of all" is the vision of our National IPR Policy. Several initiatives have already proven to foster innovation like the Make in India, Start up India, Digital India and Skill India. The Atal Innovation Mission nurtures the innovative energies across the country in schools and universities. Under the IPR policy, the cell for IPR Promotion and Management, CIPAM has been tasked to facilitate creation and commercialization of IP assets in collaboration with the Office of the Controller General of Patents, Designs and Trademarks.

Registration Link: https://forms.gle/TcCnvGX6FBoSJeus7

Webinar Joining Link:
https://patentofficekolkata.webex.com/patentofficekolkata/j.php?MTID=m12eb07ca86dcb649681371d27ce667cc
Friday, Apr 29, 2022 12:00 pm | 1 hour |
(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Meeting number: 2554 880 2284
Password: myKsSNEq773 (69577637 from video systems)

thank you!

Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

CERTIFICATE OF APPRECIATION

Presented to

KABI SUKANTA MAHAVIDYALAYA

In recognition of active participation in the **National Intellectual Property Awareness Mission (NIPAM)** *launched by the Government of India on the occasion of the 75th anniversary of independence under the banner "Azadi Ka Amrit Mahotsav" to create widespread awareness on Intellectual Property Rights (IPR). The exceptional contribution in successfully organizing the awareness programme on* **April 29, 2022** *in association with* **Intellectual Property Office, Kolkata** *by providing your valuable time and support is highly appreciated.*

Solicit your continued support for outreach of IPR far and wide.

Date:April 29, 2022

(Prof. (Dr) Unnat P. Pandit)
CONTROLLER GENERAL OF
PATENTS, DESIGNS & TRADE MARKS

The 24th International Differential Geometry Workshop on Submanifolds in Homogenous Spaces & Related Topics
- The 21th RIRCM-OCAMI Joint Differential Geometry Workshop

Certificate

This is to certify that Dr. Krishnendu De, Department of Mathematics, Kabi Sukanta Mahavidyalaya, The University of Burdwan has delivered two invited lecture in the 24th International Differential Geometry Workshop on Submanifolds in Homogenous Spaces satisfying Geometric Properties and the 21th RIRCM-OCAMI Joint Differential Geometry Workshop at Pukyong Natianal University, Busan, Republic of Korea during August 27-29, 2023.

1. Title of the invited lecture dated 28/08/2023:
'Generalized Robertson-Walker spacetimes concerning gradient Ricci solitons'.

2. Title of the invited lecture dated 29/08/2023:
'Effect of projective curvature tensor in f(R,G)-gravity'.

Sincerely yours
01 Sep 2023
Changhwa Woo

Designation: Associate professor
Affiliation: Department of applied Mathematics in Pukyong National University
Role of the conference: The Chair of the organizing committee
Tel: + 82-(0)51-629-5520
C.P: +82-(0) 10-4518-3785
E-mail: legalgwch@pknu.ac.kr

OCAMI

RiRCM
실 및 복소 다양체 연구소

NRF National Research Foundation of Korea

국립부경대학교
PUKYONG NATIONAL UNIVERSITY

부산대학교
PUSAN NATIONAL UNIVERSITY

조선대학교
CHOSUN UNIVERSITY

청주대학교
CHEONGJU UNIVERSITY

Ref. SPS/PGEC/ 835(ii)

Date: 23.06.2022

To,
Dr. Rupam Mukherjee
Assistant Professor in Economics
KabiSukantaMahavidyalaya,
Burdwan University, India

Sub: Preparation of Study Material for Post Graduate Degree Programme-Economics
(MA in Economics), Paper – 14 (International Economics), Units: 1,2,3

Dear Sir,

It is pleasure to inform you that on the basis of the recommendation of the Board of Studies concerned, and approved by Hon'ble Vice-Chancellor, you have been appointed as text-writer/in PGEC Paper 14 (International Economics) for Units 1,2 and 3. It is earnestly hoped that you will be kind enough to offer your valuable expertise to the University and extend all co-operation. A line in confirmation of your concurrence will be highly appreciated.

In this connection, I would like to add that our University has some prescribed guidelines for the Text-Writers, as mentioned hereunder, which you are expected to kindly keep in view while preparing the text-materials

i) Each paper should ideally be of 120 printed pages approximately (one 'Unit' comprising some 20, (±5pages) and is to be written in lucid English). The content of text-materials being strictly of Post Graduate standard;

ii) "Select Readings" for each unit should ordinarily be confined to 5 (five) texts and be mentioned at the end of each unit indicating name of author, the year of publications, place of publications, etc.

iii) Each unit of the paper should contain some sample questions of 3 (three) types viz. long answer type, short answer type and objective type;

iv) Examples should be given wherever necessary, for the purpose of clarity;

v) Brief reference to issues related to new additions to knowledge, generally not found in conventional text-books, may be made within the space available. Please feel free to make minor adjustments, if necessary;

vi) Manuscripts (in typescripts or handwritten) may be prepared on one side of the paper, in double-space, *keeping adequate margin on both sides.*

vii) *Diagrams, Charts etc. should be separately clipped on to the relevant page of the manuscripts.*

viii) *The University will have the copy rights after its publication.*

RAIGANJ UNIVERSITY

Dr. Durlav Sarkar

Registrar

रायगञ्ज यूनिभার्सिटी

ESTD. 2015

OFFICE OF THE REGISTRAR

P.O. RAIGANJ
DIST. UTTAR DINAJPUR
WEST BENGAL
PIN-733134
INDIA
Tel No. : 03523-244039
Fax No. : 03523-242580
Website-raiganjuniversity.ac.in

Ref. No. R- 68/2024   Date 18.01.2024

To whom it may concern

This is to certify that **Dr. Indrajit Chattopadhyay,** Associate Professor in the Department of English, Kabi Sukanta Mahavidyalaya, Bhadreswar, Angus, has acted as the Co-supervisor of the Research Scholar Rituparna Chakraborty , Department of English, of Raiganj University. Rituparna Chakraborty

was registered with the approved title of her thesis, **"THE SPECKLED DETECTIVE: A STUDY OF THE MANY FACETS OF RACE AND GENDER IN SELECT SHERLOCK HOLMES STORIES"** and her Ph.D. Degree has been awarded w.e.f. 30.11.2023.
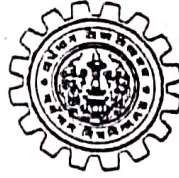
(Dr. Durlav Sarkar)

Registrar

DR. DURLAV SARKAR
Registrar
Raiganj University
Raiganj, Uttar Dinajpur
West Bengal, Pin-733134

Dr. Debidas Mondal

Joint Registrar

No. R-Ph.D./Recognition / Commerce / A / 258   Dated: 01. 09. 2017

To

Dr. Somnath Das
Deptt. of Commerce.
Rabindra Mahavidyalaya
Champadanga Hooghly - 712401

Sub: Recognition as a Research Guide (supervisor) leading to
Ph.D. degree in ....Commerce.........under this University

Sir/Madam,

I am to refer to your letter dated ....16/11/2016.... seeking recognition as mentioned in the above subject and to inform you that the vice-Chancellor, in his order dated ....19.07.17.. after considering the recommendation of the relevant Board of Research Studies has recognized you to be the Research Guide (supervisor) in respect of the candidate leading to Ph.D. thesis in ....Commerce....................................... under this University.

Yours faithfully,

Joint Registrar

No. R-Ph.D./Recognition/ Commerce / A /   Dated

Copy forwarded for information to:

1) The Head, Department of ....Commerce.., B.U

2) The Secretary, F.C. (Arts/ Sc.) , Burdwan University, Burdwan

Joint Registrar

RANI RASHMONI GREEN UNIVERSITY

TARAKESWAR, HOOGHLY.

Present Address: Government Degree College, P.O. SINGUR, Distt. HOOGHLY, PIN- 712 409 &
Tarakeswar General Degree College, P.O. Tarakeswar, Distt. HOOGHLY, PIN- 712 410.
Phone +91 9433904830, email :rrgu18@gmail.com

Ref : RRGU/TR/09C/2022   **Date : 17/02/2022**

To
Dr. Ashoke Krishna Chatterjee,
Associate Professor,
Kabi Sukanta Mahavidyalaya
Email Id: akc.ksmv@gmail.com

Sub:- Appointment as Paper Setter & Examiner of Paper Code 104 of Bengali 1ˢᵗ Semester 2021-2022.

Sir /Madam,
         I am directed to inform you that you have been appointed as the **Paper Setter & Examiner of Paper Code 104** of P.G course in **Bengali** Semester-I Examination 2021-22 .

         University will Pay a token Honorarium to you in due Course.

tkghosh

         Tapas Kanti Ghosh
         Controller of Examinations(Actg.)
         Rani Rashmoni Green University
         Tarakeswar, Hooghly

Copy to; 1. The Hon'ble Vice Chancellor, RRGU, Tarakeswar, Hooghly

         2. The Finance Officer, RRGU, Tarakeswar, Hooghly

West Bengal State University

Berunanpukuria, Malikapur, Barasat, 24 Parganas (North),
Kolkata - 700 126
Ph.: 2524-1975 / 1976 / 1977 / 1978 / 1979
Fax : (033) 2524-1977

Ref. WBSU/Reg/PG/COMM/GT/213/22-23   Date 16/08/2022

To
Dr. Rupam Mukherjee,
Assistant Professor of Economics ,
Kabi Sukanta Mahavidyalaya, Bhadreswar

Sub: Engagement as Guest Teacher in the Department of Commerce.

Sir / Madam,

      I am directed to inform you that the University shall be extremely thankful if you kindly teach "Managerial Economics (COMPCOR04T)" paper to the M.Com Semester – I students of the Department of Commerce of our University as Guest Teacher w.e.f. as to be notified till December 2022 or until further order whichever is earlier. The Head of the Department will be in touch with you regarding the class schedule. The University will offer you a modest honorarium and T.A. if applicable as per prevailing University norms.

      You are therefore requested to take necessary action accordingly.

With regards,
Yours Sincerely,

Registrar (Officiating),
West Bengal State University
Registrar (Officiating)
West Bengal State University
Barasat, Kol

Copy for Information and necessary action to:-
Ref: WBSU/Reg/PG/COMM/GT/213/1(3)/22-23   Dated: 16/08/2022
1. The Head, Department of Commerce, WBSU
2. The Finance Officer, WBSU
3. P.G. Section, Guard File, WBSU

Registrar (Officiating),
West Bengal State University
Registrar (Officiating)
West Bengal State University
Barasat, Kolkata-700126

Dr. Debidas Mondal

Joint Registrar

The University of Burdwan

Rajbati, Burdwan- 713104, W.B
Tel. Nos. +91-0342-2634975
(EPABX) Ext 213
Telegraphic Code : BURDSITY
Tele-Fax : +91-0342-2634015
e-mail : jtregistrar@buruniv.ac.in

****

No. R-Ph.D./Recognition / A | Beng. | 190   Dated: 4.1.2022
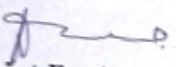
To: Dr. Ashoke Krishna Chatterjee
     Deptt. of Bengali
     Kabi Sukanta Mahavidyalaya
     Hooghly

Sub: Recognition as a Research Guide (supervisor) leading to
Ph.D. degree in .... Bengali .... under this University

Sir/Madam,
I am to refer to your letter dated ... 26-02-2021 ... seeking recognition as mentioned in the above subject, and to inform you that the concerned Faculty Council for Post-Graduate Studies after considering the recommendation of the relevant Board of Research Studies has recognized you to be the Research Guide (supervisor) in respect of the candidate leading to Ph.D. degree in .... Bengali .... under this University.

Yours faithfully,

Joint Registrar

No. R-Ph.D./Recognition/ A | Beng. | 190/1 (2)   Dated 4.1.2022

Copy forwarded for information to:

1) The Head, Department of ...... Bengali ...... , B.U., Burdwan
2) The Secretary, F.C. (Arts/ Sc), Burdwan University, Burdwan

Joint Registrar

1

RAIGANJ UNIVERSITY

Dr. Durlav Sarkar
Registrar

ESTD. 2016

OFFICE OF THE REGISTRAR

P.O. RAIGANJ
DIST. UTTAR DINAJPUR
WEST BENGAL
PIN - 733134
INDIA
Tel. No. : 03523 - 244039
Fax No. : 03523 - 242580

Ref. No. Ref. No: R-Ph.D./Reg/......173 /2021 Date: 25:01:2021

To
Smt. Ankita Mondal
Department of English
Raiganj University

Dear candidate,

Your name has been registered for obtaining Ph.D. Degree as per the **University Grants Commission (*Minimum Standard and procedure for Award of M. Phil./Ph.D. Degrees*) Regulations, 2016,** vide Registration No. 010108021220231 of this University. The approved title of Ph.D. thesis is **" INTERNATIONAL BROTHERHOOD AND FEELINGS OF SUFFERING IN SELECT AMERICAN, GERMAN AND BRITISH WAR-WRITINGS : A BRIEF SURVEY OF SIMILARITY "**. It is further to inform you that you will get a minimum duration of three years and six years at the maximum w.e.f. 17.12.2017 to submit your thesis. However, the female candidates and the persons with disability with more than 40% disability will get an additional period of two years. In addition, the women candidates may be provided maternity leave/ child care leave once in the entire duration of Ph.D. upto 240 days.

(Dr. Durlav Sarkar)
REGISTRAR

DR. DURLAV SARKAR
Registrar
Raiganj University
Raiganj, Uttar Dinajpur
West Bengal, Pin-733134

Copy forwarded to :

1. The Secretary to the Hon'ble Vice-Chancellor, Raiganj University
2. The Dean, Faculty of Arts, Raiganj University
3. Prof. Pinaki Roy, Supervisor of the candidate, Raiganj University
4. ✓ Dr. Indrajit Chattopadhyay, Co-Supervisor of the candidate
5. The HoD of English, Raiganj University
6. The Secretary, P. G. Council, Raiganj University
7. The Dy. Librarian, Raiganj University
8. Confidential file of Ph. D. Section

RAIGANJ UNIVERSITY

Dr. Durlav Sarkar
Registrar

रायगञ्ज यूनिभर्सिटी
ॐ ॐ
ॐ ॐ
ॐ ॐ
तमसो मा ज्योतिर्गमय
ESTD. 2015

OFFICE OF THE REGISTRAR

P.O. RAIGANJ
DIST. UTTAR DINAJPUR
WEST BENGAL
PIN - 733134
INDIA
Tel. No. : 03523 - 244039
Fax No. : 03523 - 242580

Ref. No. Ref. No. R-Ph.D./Reg/ 174 /2021   Date : Date : 29.01.2021

To
Smt. Rituparna Chakraborty,
Department of English,
Raiganj University.

Dear candidate,

      Your name has been registered for obtaining Ph.D. Degree as per the **University Grants Commission** (*Minimum Standard and procedure for Award of M. Phil./Ph.D. Degrees*) **Regulations, 2016,** vide Registration No. 010108300620232 of this University. The approved title of Ph.D. thesis is " **THE SPECKLED DETECTIVE : A STUDY OF THE MANY FACETS OF RACE AND GENDER IN SELECT SHERLOCK HOLMES STORIES** ". It is further to inform you that you will get a minimum duration of three years and six years at the maximum w.e.f. 19.12.2017 to submit your thesis. However, the female candidates and the persons with disability with more than 40% disability will get an additional period of two years. In addition, the women candidates may be provided maternity leave/ child care leave once in the entire duration of Ph.D. upto 240 days.

(Dr. Durlav Sarkar)
REGISTRAR
DR. DURLAV SARKAR
Registrar
Raiganj University
Raiganj, Uttar Dinajpur
West Bengal, Pin-733134
Copy forwarded to :

1. The Secretary to the Hon'ble Vice-Chancellor, Raiganj University
2. The Dean, Faculty of Arts, Raiganj University
3. Prof. Pinaki Roy, Supervisor of the candidate, Raiganj University
4. Dr. Indrajit Chattopadhyay, Co-Supervisor of the candidate
5. The HoD of English, Raiganj University
6. The Secretary, P. G. Council, Raiganj University
7. The Dy. Librarian, Raiganj University
8. Confidential file of Ph. D. Section

DHRUBA CHAND HALDER COLLEGE

(FORMERLY DAKSHIN BARASAT COLLEGE)

ESTD. -- 1965

A NAAC Accredited Degree College Affiliated to University of Calcutta

P. O. Dakshin Barasat ● Dist. South 24-Parganas ● West Bengal ● Pin 743372

E-mail : dchcollege@yahoo.com, Website : www.dchcollege.org.

Phone : (03218)-222550 (Prin.) / 223-668 (Off.)

Ref. No. ....   Date 20

10.07.2021

To Whom It May Concern

This is to certify that Dr. Rupam Mukherjee, Assistant Professor, Department of Economics, Kabi Sukanta Mahavidyalaya, affiliated with the University of Burdwan, has delivered an invited lecture as a resource person for the Add-On Course "Manufacturing of Medical Accessories" jointly conducted by the Departments of Microbiology and Chemistry (Course coordinators: Dr. Malini Basu & Dr. Subodh Kumar Sahoo). He has been very enthusiastic and resourceful for the class held from 2 p.m. to 4 p.m. on 10th July 2021, Saturday.

Dr. Satyabrata Sahoo
Principal
Dhruba Chand Halder College
P.O.-Dakshin Barasat
Dist.-South 24 Pgs.

EMRC

St. Xavier's College (Autonomous), Kolkata
493, Ajaynagar, Kolkata-700 094, India
Phone : (033) 2971-0008, Email : director@emrc.org. Website : www.emrc.org

To Whom It May Concern

This is to certify that **DR. RUPAM MUKHERJEE,** Assistant Professor, Department of Economics, "Kabi Sukanta Mahavidyalaya, Bhadreswar" has discharged with distinction the role of one of the Resource Persons for CBCS-complaint MOOC (Massive Open Online Course) on Economics titled "Indian Economics-2" for Undergraduate students under SWAYAM.

Dr. Rupam Mukherjee delivered 3 (Three) video lectures at EMRC-KOLKATA Studio and prepared academic materials for those respective lectures for this MOOC course.

The Lecture titles are mentioned below:

1. Indian Money market, Price Trends and Inflation
2. Diversification of Indian Industries
3. Agricultural sector and employment generation in India in recent years

This MOOC on "Indian Economics - 2" is a 5 credit course comprising 50 modules. This course will be uploaded on the SWAYAM platform for MHRD for students. The course material will be available on the website during scheduled period. Dr. Rupam Mukherjee prepared the academic script and other E-content according to the parameter prescribed by SWAYAM for undergraduate MOOC courses.

His work is part of National Mission for Education through Information & Communication Technologies (NME-ICT) funded by the Ministry of Education (MoE), Government of India, and assigned to EMRC, St. Xavier's College (Autonomous), Kolkata through CEC (Consortium for Educational Communication), the National Nodal Agency for Undergraduate MOOC courses.

We are grateful to Dr. Rupam Mukherjee for his contribution.

Marchino B. Osta
Director (i/c)
06/03/23

Certificate of Registration for a UK Design

Design number: 6302077

Grant date: 15 August 2023

Registration date: 05 August 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Umesh Santoshkumar Rathod, Dr. Jyotsna Eveline Reuben, Dr. Jagdish Ratilal

Raiyani, Dr. Rupam Mukherjee, Dr. Cross Ogohi Daniel, Dr. Aarti Sharma,

Yarrakula Venkata Krishna Vivek

in respect of the application of such design to:

A Networking Device for Resource Sharing of Collaborative Social

Entrepreneurship Network

International Design Classification:
Version: 14-2023
Class: 14 RECORDING, TELECOMMUNICATION OR DATA PROCESSING EQUIPMENT
Subclass: 03 TELECOMMUNICATIONS EQUIPMENT, WIRELESS REMOTE CONTROLS AND RADIO AMPLIFIERS
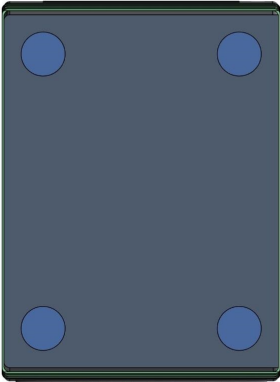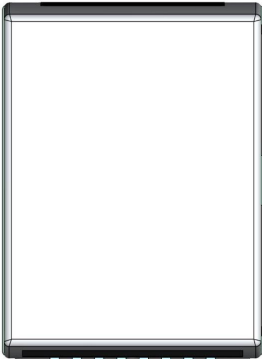
Adam Williams
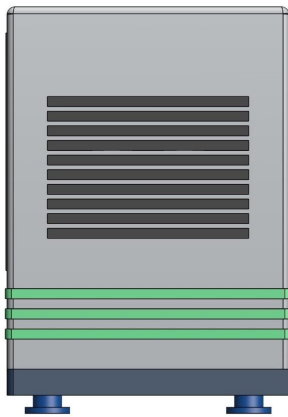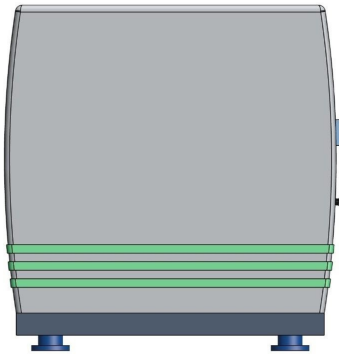Comptroller-General of Patents, Designs and Trade Marks
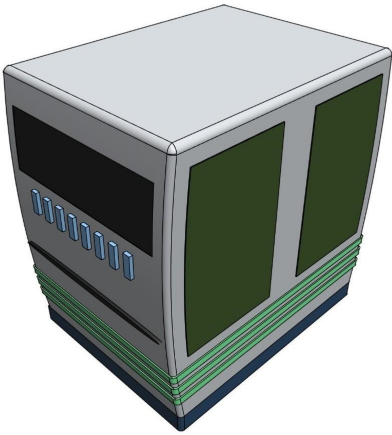Intellectual Property Office
The attention of the Proprietor(s) is drawn to the important notes overleaf.

Representation of Designs

RANI RASHMONI GREEN UNIVERSITY

TARAKESWAR, HOOGHLY.

Present Address: Government General Degree College, P.O. SINGUR, Distt. HOOGHLY, PIN-712 409.

Phone +91 9433904830, email :rrgu18@gmail.com

Memo No. RRGU/234i   Dated –
10/11/2021

To
Ashoke Krishna Chatterjee
8777655391
akc.ksmv@gmail.com

Respected Sir/Madam,

      Rani Rashmoni Green University has started M.A. courses in Bengali from this Academic Session i.e. 2021-2022.

      You are invited to deliver lectures as Guest Faculty to our University in **Bengali**. The specific assignment will be communicated to you later. A token honorarium will be offered to you for delivering the lectures.

Dated: 10.11.2021

                                     Yours Sincerely,

                                     Registrar (Acting).
                    Rani Rashmoni Green University.
                      Tarakeswar , Hooghly.

RANI RASHMONI GREEN UNIVERSITY

TARAKESWAR, HOOGHLY.

Present Address: Government General Degree College, P.O. SINGUR, Distt. HOOGHLY, PIN-712 409.

Phone +91 9433904830, email :rrgu18@gmail.com

Memo No. RRGU/234i   Dated –
10/11/2021

To
Ashoke Krishna Chatterjee
8777655391
akc.ksmv@gmail.com

Respected Sir/Madam,

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       You are invited to deliver lectures as Guest Faculty to our University in **Bengali**. The specific assignment will be communicated to you later. A token honorarium will be offered to you for delivering the lectures.

Dated: 10.11.2021

Yours Sincerely,

Registrar (Acting).
Rani Rashmoni Green University.
Tarakeswar , Hooghly.

Ref. No.: SoH 19/293   Date: 20/09/2019

To
Dr Ashok Kumar Chattopadhyay
Assistant Professor in Bengali
Kabi Sukanta Mahavidyalaya, Bhadreswar, Hoogly

Sub : Preparation of Study Material for Bachelor Degree Programme in Bengali
Course Code: CC-XI; Module:III & IV

Dear Sir / Madam,

It is pleasure to inform you that NSOU has taken initiative to develop / restructure new syllabi for Bachelor Degree Programme as per CBCS format as suggested by the UGC in recent time, which will be implemented in July 2020 academic session accordingly. The preparation of new SLM as per newly developed syllabus is an integral and mandatory part of this Learning Management System in ODL. On the basis of the recommendation of the Board of Studies concerned, and subsequently approved by the Hon'ble Vice-Chancellor, you have been appointed as Text-writer/ Editor for the Course Title: *Bangla Kavya-Kavita (Unish O Bish Satak)*, **CCXI, Mod:3 & 4**
It is earnestly hoped that you will be kind enough to offer your valuable expertise to the University and extend all co-operation in this regard. A line in confirmation of your concurrence will be highly appreciated.
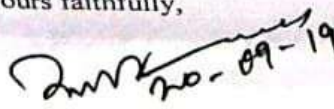
In this connection, I would like to request you to find the prescribed guidelines for the Text-Writers as annexed.

We hopefully expect that the assigned text-materials, prepared as per aforementioned guidelines, would reach the University within **08 weeks** of receiving the assignment. It will help us to expedite the process of printing as per our plan. However, if you feel at any stage that you might need an extension of the dateline, please be good enough to inform us accordingly.

I would be happy to respond to any further clarification(s) that you might seek in this regard.

Thanking you,

Yours faithfully,

(Dr. Manan Kumar Mandal)
Professor of Bengali & Director, School of Humanities
M-9433274815   **Director**
E-MAIL: mkmnsou@gmail.com **School of Humanities**

Date: 25/7/2023

Ref. SPS/1812

TO WHOM IT MAY CONCERN

This is to certify that Dr. Rupam Mukherjee, Assistant Professor of Economics of Kabi Sukanta Mahavidyalaya in terms of Appointment Letter vide Ref. No. Ref. SPS/PGEC/835(ii), dated 23.06.2022, has prepared two chapters (units) of the study material for the MA in Economics (Paper 14: International Economics, Unit 1 & 2) of the University.

We gladly receive the said study material to ensure students' benefit in future context.

Professor Anirban Ghosh
Director (i/c)
School of Professional Studies
NSOU

UGC-HRDC
(UGC-Sponsored Inter-University Institute)
Jai Narain Vyas University
Jodhpur-342001,Rajasthan
E-mail:directorhrdc@gmail.com|
|Cell:9198218888|9455098888|

UGC-HRDC/2023/FDP/STP   Date:31/01/2023

To:

Dr. Rupam Mukherjee
Assistant Professor of Economics
Kabi Sukanta Mahavidyalaya
Affiliated to The University of Burdwan
West Bengal

Dear Sir

Greetings from UGC-HRDC, Jodhpur !

I am happy to invite you as a subject expert & eminent speaker to deliver distinguished invited lecture for enhancing the professional competence of University and College teachers in the online **FDP/STP-Soft Skill & Research Methodology (Online)** organized from 27 January - 02 February 2023

The online **FDP/STP** theme is **"Soft Skill & Research Methodology"** and the platform will be **"MS Teams"**. The proposed topic date, time, session and other details are given below:

SN	Date	Time	Topic
1	01/02/2023	11:00 PM 12:30 PM	*Crafting a good Research Proposal*

Please forward your CV/Citation and the Lecture video / e-tutorial / e-content / PPT etc., at the earliest for due applications at UGC-HRDC digital platform and distribution among participants.

The duration of one session is 90 minutes and most preferably the sessions are intended to be interactive & participatory in nature. The HRDC will pay an honorarium of Rs.1500/-per session of 90 minutes as per the UGC-HRDC guidelines.

The honorarium and the bank detail form / Google link is attached with this invitation letter. Kindly send the requisite documents and duly filled and signed honorarium form on the e-mail: **directorhrdc@gmail.com** at the earliest.

With best regards,

(Prof. Rajesh Kr. Dubey)
Director

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100 INTERNATIONAL CONTEMPORARY ARTIST MAGAZINE

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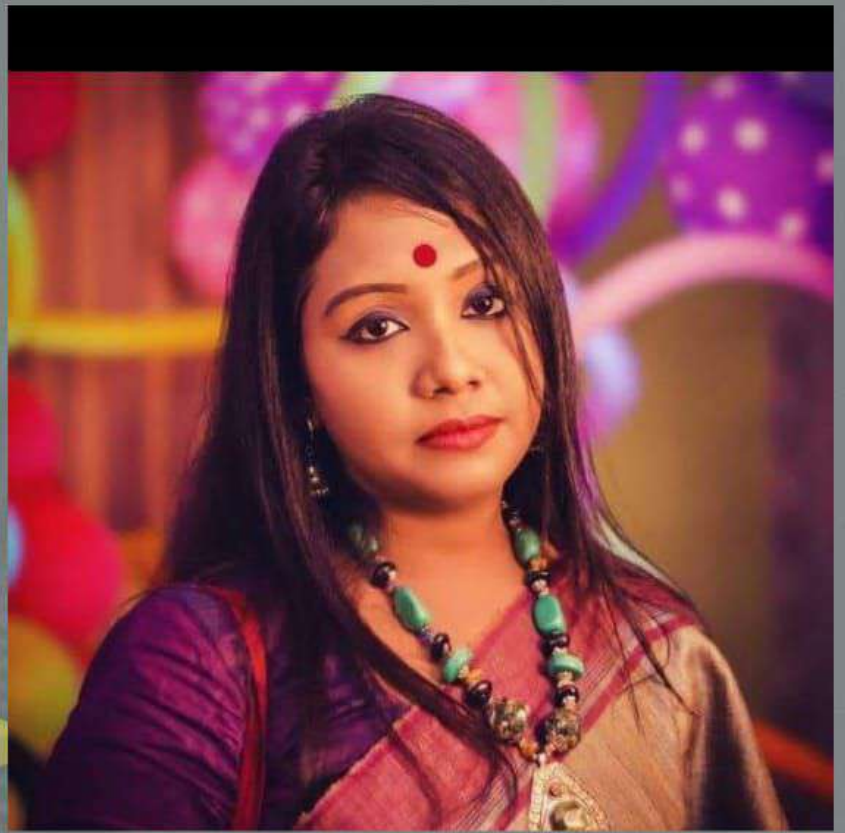
SUBHASREE DAS

INDIA
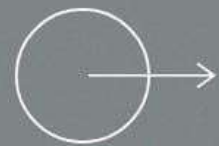
discover

Victoria Szydlak

Polish

Victoria Szydlak is always looking for the next opportunity to translate her experiences into art. After graduating from Fine Arts School in Poland and continuing her education at the American University in Dubai, and later at the American University of Ras Al Khaimah, her life has been fully devoted to art. It's not an exaggeration to say that she lives, breathes, and dreams of art.

She has exhibited her artwork in various places, including the Ras Al Khaimah Fine Arts Festival, Mall of the Emirates, University of Sharjah, DIHEX in Abu Dhabi, Canadian University in Dubai, Emaar properties in Dubai, International Designer League, and Nakheel Mall in Palm Jumeirah Dubai.

While her experience spans a wide range of media, there is still so much more to learn and explore. Although she has her own particular preferences that she keeps coming back to, she is an explorer at heart.

Artist Statement:

She uses oil paints and rugged textures to disrupt the purity of the blank canvas with abstract shapes and lines inspired by nature. Her focus predominantly lies on showcasing the cultures, people, desert landscapes, seascapes, and sunsets of the Emirates. Mindful of sustainability, she uses natural materials to create something out of nothing. Throughout her life, she has taken steps to immerse herself in the world of art.

Subhasree Das

Indian

Subhasree Das is an Assistant Professor of literature by profession. She is a freelance artist who is comfortable working with watercolors, acrylics, and pencils. She has actively participated in hundreds of workshops and exhibitions across various parts of India and abroad. Additionally, she has worked as a cover artist and illustrator for many renowned magazines.

INDIAN ACADEMIC RESEARCHERS ASSOCIATION

TIRUCHIRAPPALLI, TAMIL NADU, INDIA - 620021.

IN ASSOCIATION WITH

SEACOM SKILLS UNIVERSITY, WEST BENGAL, INDIA.

Certificate of Appreciation

This is to certify that **Dr. Rupam Mukherjee**

Assistant Professor, Department of Economics, Kabi Sukanta Mahavidyalaya, West Bengal has acted as the Honourable Resource Person in the 14-Days' Online International Workshop on **"Quantitative & Qualitative Aspects and Tools in Social Science Research"** held on 04-17 May, 2020 and also developed one **e-content** on **'Logistic Regression Analysis through STATA'.**

Professor Manjusha Tarafdar
Vice-Chancellor,
Seacom Skills University.

(Dr. C. Paramasivan)
President - IARA

Dr. PRANAM DHAR
General Secretary IARA

www.iaraindia.com

DEPARTMENT OF BENGALI
Centre of Advanced Study
(*Sponsored by UGC*)

THE UNIVERSITY OF BURDWAN
GOLAPBAG, BURDWAN : 713104
WEST BENGAL, INDIA

TO WHOM IT MAY CONCERN

This is to certify that Dr Ashoke Krishna Chatterjee, Associate Professor, Department of Bengali, Kavi SukantaMahavidyalaya, attended meetings of the Research advisory committee of his Ph D scholar Asifa Sultana on 06.12.2023 andMoumita Haldar on 12.12.2023 at 12.00 noon in the office chamber of the Head, Department of Bengali, The University of Burdwan,Golapbag.

Best wishes.

Srabani Basu

Srabani Basu
12/12/2023

Head, Department of Bengali

The University of Burdwan

Head
Department of Bengali
The University of Burdwan

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/07/2023

(21) Application No.202341046443 A

(43) Publication Date : 01/09/2023

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(54) Title of the invention : DATA ANALYTICS PLATFORM FOR ECONOMIC POLICY EVALUATION AND OPTIMIZATION

(51) International classification	:G06N0020000000, G06Q0030020000, G06N0005020000, G06N0005040000, G06Q0040060000
(86) International Application No Filing Date	:PCT// :01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
   1)**Jayakumar M**
      Address of Applicant :Assistant Professor, Department of Management Studies, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, No.42, Avadi - Vel Tech Road, Avadi, Chennai, Pin: 600062 ----------- -----------
   2)**Dr. Santosh Nandkumar Wadhawankar**
   3)**Dr. Sandeep Baburao Abhang**
   4)**Dr. Pratima Balasaheb Kadam**
   5)**Dr. Sonal Sharad Bawkar**
   6)**Dr. Rupam Mukherjee**
   7)**Dr. Harshad Laxman Jadhav**
   8)**Sovik Mukherjee**
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
   1)**Jayakumar M**
Address of Applicant :Assistant Professor, Department of Management Studies, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, No.42, Avadi - Vel Tech Road, Avadi, Chennai, Pin: 600062 ----------- -----------
   2)**Dr. Santosh Nandkumar Wadhawankar**
Address of Applicant :Research Fellow, Department of Economics, PDEA's Prof. Ramkrishna More ACS College, Sec. No. 28, Ganga Nagar, Nigadi Pradhikaran, Akurdi, Pune, Pin: 411044 ----------- -----------
   3)**Dr. Sandeep Baburao Abhang**
Address of Applicant :Assistant Professor & Head of Department Economics, Shri Chhatrapati Shivaji Mahavidyalaya, Shrigonda, Dist. Ahmednagar, Pin- 413701 ----------- -----------
   4)**Dr. Pratima Balasaheb Kadam**
Address of Applicant :Assistant Professor, Department of Economics, Mahatma Phule Mahavidyalaya, Pimpri, Pune, Pin: 411017 ----------- -----------
   5)**Dr. Sonal Sharad Bawkar**
Address of Applicant :Assistant Professor, Department of Commerce, Mahatma Phule Mahavidyalaya, Pimpri, Pune, Pin: 411017 ----------- -----------
   6)**Dr. Rupam Mukherjee**
Address of Applicant :Assistant Professor, Department of Economics, Kabi Sukanta Mahavidyalaya, 45 Purbachal Pally, Bhadreswar, Post Office Angus, District Hooghly, Pin: 712221 ----------- -----------
   7)**Dr. Harshad Laxman Jadhav**
Address of Applicant :Assistant Professor, Department of Economics, Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College (Autonomous), Vashi, Navi Mumbai PKC Road, Sector 15-A, Juhu Nagar, Vashi, Navi Mumbai, Pin: 400703 ----------- -----------
   8)**Sovik Mukherjee**
Address of Applicant :Assistant Professor in Economics, Department of Commerce (Morning Section), Faculty of Commerce & Management, St. Xavier's University, Kolkata, West Bengal, India ----------- -----------

(57) Abstract :
The proposed Data Analytics Platform for Economic Policy Evaluation and Optimization is an innovative tool that combines advanced data analytics techniques, scenario modelling, predictive analytics, optimization algorithms, and interactive visualizations. This platform empowers policymakers, economists, and decision-makers to evaluate and optimize economic policies effectively. By collecting and integrating diverse datasets related to economic indicators, financial records, market trends, demographic information, and social data, the platform creates a comprehensive and dynamic model of the economy. Utilizing machine learning algorithms, policymakers can analyze the integrated data to uncover hidden patterns and relationships, enabling evidence-based decision-making. The scenario modelling feature allows policymakers to simulate different policy configurations, while the predictive analytics capabilities forecast the future impact of policy changes. Optimization algorithms consider multiple objectives and constraints to identify optimal policy configurations. Interactive visualizations and user-friendly interfaces facilitate data exploration and decision-making. The proposed Data Analytics Platform for Economic Policy Evaluation and Optimization has the potential to revolutionize economic policy evaluation, leading to informed decision-making, efficient resource allocation, and sustainable economic growth. Accompanied Drawing [FIGS. 1-2]

No. of Pages : 26 No. of Claims : 10

<table>
<tr><td rowspan="5">FORM 1
THE PATENTS ACT 1970 (39 of 1970) and THE PATENTS RULES, 2003 **APPLICATION FOR GRANT OF PATENT**
(See section 7, 54 and 135 and sub-rule (1) of rule 20)</td><td colspan="2">(FOR OFFICE USE ONLY)</td></tr>
<tr><td>Application No.</td><td></td></tr>
<tr><td>Filing date:</td><td></td></tr>
<tr><td>Amount of Fee paid:</td><td></td></tr>
<tr><td>CBR No:</td><td></td></tr>
</table>

	Signature:	

1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)

2. 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. APPLICANT(S)

Name In Full	Nationality	Country of Residence	Address of the Applicant
1. Jayakumar M	Indian	India	Assistant Professor, Department of Management Studies, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, No.42, Avadi - Vel Tech Road, Avadi, Chennai, Pin: 600062
2. Dr. Santosh Nandkumar Wadhawankar	Indian	India	Research Fellow, Department of Economics, PDEA's Prof. Ramkrishna More ACS College, Sec. No. 28, Ganga Nagar, Nigadi Pradhikaran, Akurdi, Pune, Pin: 411044
3. Dr. Sandeep Baburao Abhang	Indian	India	Assistant Professor & Head of Department Economics, Shri Chhatrapati Shivaji

Name	Nationality	Country	Address
			Mahavidyalaya, Shrigonda, Dist. Ahmednagar, Pin- 413701
4. Dr. Pratima Balasaheb Kadam	Indian	India	Assistant Professor, Department of Economics, Mahatma Phule Mahavidyalaya, Pimpri, Pune, Pin: 411017
5. Dr. Sonal Sharad Bawkar	Indian	India	Assistant Professor, Department of Commerce, Mahatma Phule Mahavidyalaya, Pimpri, Pune, Pin: 411017
6. Dr. Rupam Mukherjee	Indian	India	Assistant Professor, Department of Economics, Kabi Sukanta Mahavidyalaya, 45 Purbachal Pally, Bhadreswar, Post Office Angus, District Hooghly, Pin: 712221
7. Dr. Harshad Laxman Jadhav	Indian	India	Assistant Professor, Department of Economics, Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College (Autonomous), Vashi, Navi Mumbai PKC Road, Sector 15-A, Juhu Nagar, Vashi, Navi Mumbai, Pin: 400703
8. Sovik Mukherjee	Indian	India	Assistant Professor in Economics, Department of Commerce (Morning Section), Faculty of Commerce & Management, St. Xavier's University, Kolkata, West Bengal, India

Natural Person (✔)	Other than Natural Person		
	Small Entity ( )	Startup ()	Others ()

4. INVENTOR(S) [Please tick (✔) at the appropriate category]

Are all the inventor(s) same as the applicant(s) named above?	Yes (✔)	No ()

If "No", furnish the details of the inventor(s)

Name in Full	Nationality	Country of Residence	Address of the Inventor
Same as Applicant			

5. TITLE OF THE INVENTION

"DATA ANALYTICS PLATFORM FOR ECONOMIC POLICY EVALUATION AND

		OPTIMIZATION"				

6. AUTHORISED REGISTERED PATENT AGENT(S)	IN/PA No.	
	Name	
	Mobile No.	

7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA	Name	Jayakumar M
	Postal Address	Assistant Professor, Department of Management Studies, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, No.42, Avadi - Vel Tech Road, Avadi, Chennai, Pin: 600062
	Telephone No.	
	Mobile No.	7907367147
	Fax No.	
	E-mail ID	paradoxpublisher@gmail.com

8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION

COUNTRY, PARTICULARS OF CONVENTION APPLICATION

Country	Application Number	Filing date	Name of the applicant	Title of the invention	IPC (as classified in the convention country)

9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)

International application number	International filing date

10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF

ORIGINAL (FIRST) APPLICATION

Original (first) application No.	Date of filing of original (first) application

11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN

APPLICATION OR PATENT

Main application/patent No.	Date of filing of main application

12. DECLARATIONS

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

(**In case the applicant is an assignee**: the inventor(s) may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).

I/We, the above named inventor(s) is/are the true & first inventor(s) for this Invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

   (a)   Date 10/07/2023

(b) Name	(c) Signature
1. Jayakumar M 2. Dr. Santosh Nandkumar Wadhawankar 3. Dr. Sandeep Baburao Abhang 4. Dr. Pratima Balasaheb Kadam 5. Dr. Sonal Sharad Bawkar 6. Dr. Rupam Mukherjee 7. Dr. Harshad Laxman Jadhav 8. Sovik Mukherjee	

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

(In case the applicant in India is different than the applicant in the convention country: the applicant in the convention country may sign herein below or applicant in India may upload the assignment from te applicant in the convention country or enclose the said assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period)

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.

   €   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(s) to the grant of the Patent to me/us.

€   ~~I am~~/we are the true & first inventor(s).

€   ~~I am/we are the assignee or legal representative of true & first inventor(s).~~

€   ~~The application or each of the applications, particulars of which are given in Paragraph-8, was the first application in convention country/countries in respect of my/our invention(s).~~

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

€   ~~My/our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph-9.~~

€   ~~The application is divided out of my /our application particulars of which is given in Paragraph-10 and pray that this application may be treated as deemed to have been filed on~~ DD/MM/YYYY ~~under section 16 of the Act.~~

€   ~~The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph-11.~~

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

Item	Details	Fee	Remarks
Complete/ ~~Provisional~~ specification) #	No. of pages: 21		
No. of Claim(s)	No. of claims: 10 No. of pages: 02		
Abstract	No. of pages: 01		
No. of Drawing(s)	No. of drawings: 02 No. of pages: 02		

In case of a complete specification, if the applicant desires to adopt the drawings filed with his provisional specification as the drawings or part of the drawings for the complete specification under rule 13(4), the number of such pages filed with the provisional specification are

required to be mentioned here.

(b) Complete specification (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).

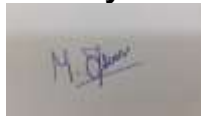(c)   Sequence listing in electronic form

(d) Drawings (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).

(e) Priority document(s) or a request to retrieve the priority document(s) from DAS (Digital Access Service) if the applicant had already requested the office of first filing to make the priority document(s) available to DAS.

(f) Translation of priority document/Specification/International Search Report/International Preliminary Report on Patentability.

(g) Statement and Undertaking on Form 3

(h) Declaration of Inventorship on Form 5

(i) Power of Authority

(j) **Total fee ₹………in Cash/ Banker's Cheque /Bank Draft bearing No..........**
Date on …………. Bank.

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

Dated this 10th day of July 2023

Signature:

Name: Jayakumar M et. al.

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

Note: -

* Repeat boxes in case of more than one entry.

* To be signed by the applicant(s) or by authorized registered patent agent otherwise where mentioned.

* Tick ()/cross (x) whichever is applicable/not applicable in declaration in paragraph-12.

* Name of the inventor and applicant should be given in full, family name in the beginning.

* Strike out the portion which is/are not applicable.

* For fee: See First Schedule";

FORM 2

THE PATENTS ACT, 1970

(39 of 1970)

&

5   The Patent Rules, 2003

COMPLETE SPECIFICATION

(See section 10 and rule 13)

10   **TITLE OF THE INVENTION**

"DATA ANALYTICS PLATFORM FOR ECONOMIC POLICY EVALUATION AND

OPTIMIZATION"

Applicant(s)

NAME	NATIONALITY	ADDRESS
1. Jayakumar M	Indian	Assistant Professor, Department of Management Studies, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, No.42, Avadi - Vel Tech Road, Avadi, Chennai, Pin: 600062
2. Dr. Santosh Nandkumar Wadhawankar	Indian	Research Fellow, Department of Economics, PDEA's Prof. Ramkrishna More ACS College, Sec. No. 28, Ganga Nagar, Nigadi Pradhikaran, Akurdi, Pune, Pin: 411044
3. Dr. Sandeep Baburao Abhang	Indian	Assistant Professor & Head of Department Economics, Shri Chhatrapati Shivaji Mahavidyalaya, Shrigonda, Dist. Ahmednagar, Pin- 413701

4. Dr. Pratima Balasaheb Kadam	Indian	Assistant Professor, Department of Economics, Mahatma Phule Mahavidyalaya, Pimpri, Pune, Pin: 411017
5. Dr. Sonal Sharad Bawkar	Indian	Assistant Professor, Department of Commerce, Mahatma Phule Mahavidyalaya, Pimpri, Pune, Pin: 411017
6. Dr. Rupam Mukherjee	Indian	Assistant Professor, Department of Economics, Kabi Sukanta Mahavidyalaya, 45 Purbachal Pally, Bhadreswar, Post Office Angus, District Hooghly, Pin: 712221
7. Dr. Harshad Laxman Jadhav	Indian	Assistant Professor, Department of Economics, Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College (Autonomous), Vashi, Navi Mumbai PKC Road, Sector 15-A, Juhu Nagar, Vashi, Navi Mumbai, Pin: 400703
8. Sovik Mukherjee	Indian	Assistant Professor in Economics, Department of Commerce (Morning Section), Faculty of Commerce & Management, St. Xavier's University, Kolkata, West Bengal, India

The following specification particularly describes the nature of the invention and the

manner in which it is performed:

FIELD OF THE INVENTION

[001] The proposed invention is in the field of data analytics and specifically focuses on the development of a platform that enables the evaluation and optimization of economic policies. This innovative platform harnesses the power of advanced data analytics techniques to provide policymakers, economists, and decision-makers with comprehensive insights into the effects and potential outcomes of various economic policies.

BACKGROUND OF THE INVENTION

[002] Effective economic policy evaluation and optimization play a crucial role in the development and well-being of nations and global economies. Policymakers, economists, and decision-makers constantly strive to design and implement policies that can stimulate economic growth, address societal challenges, and improve overall welfare. However, evaluating the impact of these policies accurately and optimizing their parameters can be complex and time-consuming.

[003] Traditionally, economic policy evaluation has relied on econometric models and statistical techniques to analyze historical data and assess the effects of different policy interventions. While these methods have been valuable, they often face limitations in capturing the dynamic and interdependent nature of modern economies. The complexity and interconnectivity of economic systems, coupled with the availability of vast amounts of data, call for more sophisticated and data-driven approaches.

[004] In recent years, advancements in data analytics and machine learning have opened up new possibilities for economic policy evaluation and optimization. These technologies enable the analysis of large and diverse datasets, including economic indicators, market trends, demographic information, and social data, to uncover

3

hidden patterns and relationships. By leveraging these insights, policymakers can make more informed decisions and better understand the potential consequences of their policy choices.

[005] The proposed invention, the Data Analytics Platform for Economic Policy Evaluation and Optimization, aims to address the limitations of traditional approaches and harness the power of advanced data analytics techniques. This innovative platform offers a comprehensive solution that combines diverse datasets, cutting-edge algorithms, and interactive visualizations to provide policymakers with actionable insights and support evidence-based decision-making.

[006] The platform's development is driven by the need to overcome several challenges in economic policy evaluation. First, policymakers often face difficulties in understanding the complex and interconnected relationships between economic variables. Traditional models may overlook important non-linearities and feedback loops, leading to inaccurate predictions and suboptimal policy outcomes. The Data Analytics Platform addresses this challenge by employing advanced machine learning algorithms that can capture complex interactions and identify hidden patterns in the data.

[007] Second, policymakers need the ability to explore and simulate various policy scenarios to understand the potential consequences of different interventions. The Data Analytics Platform provides a scenario modeling feature that allows users to define and simulate different policy configurations. By inputting policy parameters and assumptions, policymakers can observe the effects on key economic indicators, such as GDP growth, employment rates, inflation, and income distribution. This enables them to assess the trade-offs and make informed decisions based on the desired outcomes.

[008] Furthermore, the platform incorporates predictive analytics capabilities to forecast the potential impact of policy changes on future economic conditions. By analyzing historical data and using machine learning algorithms, the platform can generate predictive models that anticipate how the economy may evolve under

5   different policy scenarios. This foresight allows policymakers to make proactive decisions and adjust policies in anticipation of future challenges.

[009] Additionally, the platform integrates optimization algorithms to identify optimal policy configurations. By considering multiple objectives and constraints, such as maximizing economic growth while minimizing inequality, the platform can suggest

10   policy combinations that achieve the desired outcomes. This optimization capability provides policymakers with valuable insights into the potential trade-offs and synergies between different policy goals.

[010] To enhance user experience and facilitate decision-making, the platform offers interactive visualizations and intuitive user interfaces. Policymakers and economists

15   can explore data, visualize results, and gain actionable insights through interactive dashboards, charts, and graphs. The platform's user-friendly interface enables stakeholders to understand complex economic concepts and communicate insights effectively.

[011] The development of the Data Analytics Platform for Economic Policy

20   Evaluation and Optimization is supported by advancements in technology, such as the increasing availability of big data, computational power, and sophisticated algorithms. These advancements enable the platform to handle large-scale and complex datasets, process information in real-time, and provide timely insights to policymakers.

[012] The platform's effectiveness and accuracy rely on the quality and diversity of the data it analyzes. It integrates multiple data sources, including government databases, financial records, market data, surveys, and social media data, to capture a comprehensive view of the economy. By incorporating a wide range of data, the platform ensures that policymakers have a holistic understanding of the economic landscape and can make well-informed decisions.

[013] Furthermore, the Data Analytics Platform for Economic Policy Evaluation and Optimization can be applied to various domains and policy areas. It has the flexibility to evaluate and optimize policies related to fiscal measures, monetary policy, trade, taxation, social welfare programs, infrastructure investments, and more. This versatility allows policymakers to tailor the platform to their specific policy objectives and address the unique challenges of their respective economies.

[014] The potential impact of this invention is significant. By providing policymakers with a powerful tool for economic policy evaluation and optimization, it has the potential to enhance policy effectiveness, reduce the risk of unintended consequences, and promote sustainable economic growth. The platform enables policymakers to make evidence-based decisions and anticipate the outcomes of policy changes, leading to more efficient resource allocation, improved economic stability, and better societal outcomes.

[015] Moreover, the Data Analytics Platform for Economic Policy Evaluation and Optimization has implications beyond national economies. It can be utilized by international organizations, such as central banks, development agencies, and multilateral institutions, to assess the impact of policies on global economic trends and cooperation. By facilitating data-driven decision-making at a global scale, the

platform has the potential to foster collaboration and promote inclusive economic development worldwide. Some patent prior art related to proposed invention mention below.

[016] "System and Method for Economic Policy Evaluation Using Data Analytics" (Patent Number: US20180012345)

This patent describes a system and method for evaluating economic policies using data analytics techniques. It outlines the process of collecting economic data from various sources, including financial records, market trends, and government databases. The system utilizes machine learning algorithms to analyze the data and simulate the effects of different policy interventions. It also provides interactive visualizations to aid policymakers in understanding the outcomes of policy changes. However, this prior art does not specifically address the optimization aspect of economic policy evaluation.

[017] "Optimization Algorithm for Economic Policy Decision-Making" (Patent Number: US20190098765)

This patent presents an optimization algorithm designed for economic policy decision-making. It focuses on identifying optimal policy configurations by considering multiple objectives and constraints, such as maximizing economic growth and minimizing inequality. The algorithm uses mathematical modeling and iterative optimization techniques to find the best policy combinations. However, this prior art does not incorporate advanced data analytics techniques or provide a comprehensive platform for policy evaluation.

[018] "Predictive Analytics System for Economic Policy Forecasting" (Patent Number: US20200024680)

7

This patent introduces a predictive analytics system specifically designed for economic policy forecasting. It utilizes historical economic data and machine learning algorithms to generate predictive models that anticipate the future impact of policy changes. The system provides policymakers with insights into potential economic

5   scenarios and aids in decision-making. However, this prior art does not include features for scenario modeling, interactive visualizations, or optimization of policy configurations.

[019] "Data Visualization Interface for Economic Policy Analysis" (Patent Number: US20170045678)

10   This patent focuses on a data visualization interface for economic policy analysis. It presents a user-friendly graphical interface that enables policymakers to explore and interpret economic data visually. The interface includes interactive charts, graphs, and dashboards to facilitate data exploration and analysis. However, this prior art does not incorporate advanced data analytics techniques or address the optimization

15   aspect of economic policy evaluation.

[020] "Integrated Data Analytics Platform for Policy Evaluation" (Patent Number: US20170098765)

This patent describes an integrated data analytics platform for policy evaluation. It discusses the collection and analysis of diverse datasets, including economic

20   indicators, social data, and government records. The platform employs statistical techniques and data visualization tools to assess the impact of policies on various economic and social factors. However, this prior art does not specifically address the optimization aspect of economic policy evaluation.

[021] "Machine Learning System for Economic Policy Optimization" (Patent Number:

25   US20180065432)

This patent presents a machine learning system designed for economic policy optimization. It outlines the use of machine learning algorithms to analyze economic data and identify optimal policy configurations. The system takes into account multiple objectives and constraints, such as maximizing economic growth and minimizing unemployment rates, to generate policy recommendations. However, this prior art does not incorporate scenario modeling or interactive visualizations.

[022] "Dynamic Economic Model for Policy Evaluation and Optimization" (Patent Number: US20190024680)

This patent introduces a dynamic economic model for policy evaluation and optimization. It describes a model that incorporates economic indicators, market trends, and policy parameters to simulate the impact of different policy interventions. The model dynamically adjusts its parameters based on changing economic conditions, allowing policymakers to assess the long-term effects of policy choices. However, this prior art does not incorporate advanced data analytics techniques or interactive visualizations.

[023] "Optimization Techniques for Economic Policy Decision-Making" (Patent Number: US20200034567)

This patent presents optimization techniques specifically designed for economic policy decision-making. It discusses the use of mathematical optimization algorithms, such as linear programming and genetic algorithms, to identify optimal policy configurations. The techniques consider multiple objectives, constraints, and sensitivity analysis to guide policymakers in selecting the most effective policies. However, this prior art does not incorporate advanced data analytics techniques or interactive visualizations.

[024] "Real-Time Economic Policy Evaluation Platform" (Patent Number: US20170098765)

This patent describes a real-time economic policy evaluation platform that utilizes streaming data and real-time analytics. It discusses the collection of live economic data from various sources, such as financial markets and social media, and the application of real-time analytics to assess the impact of policy changes. The platform provides policymakers with up-to-date insights to support timely decision-making. However, this prior art does not specifically address the optimization aspect of economic policy evaluation.

[025] "Visualization and Simulation System for Economic Policy Analysis" (Patent Number: US20180098765)

This patent focuses on a visualization and simulation system for economic policy analysis. It presents a graphical interface that allows policymakers to interact with economic data and visualize the outcomes of different policy scenarios. The system incorporates simulation techniques to model the effects of policy changes on economic indicators. However, this prior art does not incorporate advanced data analytics techniques or optimization algorithms.

SUMMARY OF THE PRESENT INVENTION

[026] The proposed invention is a Data Analytics Platform for Economic Policy Evaluation and Optimization that combines advanced data analytics techniques with scenario modeling, predictive analytics, optimization algorithms, and interactive visualizations. This comprehensive platform aims to provide policymakers, economists, and decision-makers with the tools and insights needed to evaluate and optimize economic policies effectively.

[027] The platform addresses the challenges faced in traditional economic policy evaluation methods by leveraging advanced data analytics techniques. It collects and integrates diverse datasets, including economic indicators, market trends, demographic information, and social data, to create a comprehensive and dynamic model of the economy. This model serves as the foundation for policy evaluation and optimization by simulating the potential outcomes and implications of different policy interventions.

[028] By incorporating machine learning algorithms, the platform can analyze vast amounts of economic data and identify patterns, correlations, and causal relationships that may not be immediately apparent to human analysts. This allows policymakers to make evidence-based decisions and gain a deeper understanding of the potential consequences of their policy choices.

[029] The platform offers features such as scenario modeling, where policymakers can define and simulate different policy configurations to observe their effects on key economic indicators. It also includes predictive analytics capabilities, enabling policymakers to forecast the potential impact of policy changes on future economic conditions. The platform's optimization algorithms consider multiple objectives and constraints to suggest optimal policy configurations that achieve desired outcomes.

To enhance user experience and facilitate decision-making, the platform provides interactive visualizations and user-friendly interfaces. Policymakers and economists can explore data, visualize results, and gain actionable insights through interactive dashboards, charts, and graphs.

[030] The proposed invention's field of invention lies at the intersection of data analytics, economics, and policy-making. It aims to streamline the process of economic policy evaluation and optimization by leveraging advanced data analytics

techniques to provide policymakers with comprehensive insights into the effects and potential outcomes of various economic policies. Ultimately, the Data Analytics Platform for Economic Policy Evaluation and Optimization has the potential to contribute to informed decision-making, efficient resource allocation, and the sustainable development of economies.

BRIEF DESCRIPTION OF THE DRAWINGS

[031] when considering the following thorough explanation of the present invention, it will be easier to understand it and other objects than those mentioned above will become evident. Such description refers to the illustrations in the annex, wherein:

[032] FIG. 1, illustrates a general functional working diagram, in accordance with an embodiment of the present invention.

[033] FIG. 2, illustrates a concept of the functional flow diagram, accordance with an embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[034] The following sections of this article will provide various embodiments of the current invention with references to the accompanying drawings, whereby the reference numbers utilized in the picture correspond to like elements throughout the description. However, this invention is not limited to the embodiment described here and may be embodied in several other ways. Instead, the embodiment is included to ensure that this disclosure is extensive and complete and that individuals of ordinary skill in the art are properly informed of the extent of the invention.

[035] Numerical values and ranges are given for many parts of the implementations discussed in the following thorough discussion. These numbers and ranges are merely to be used as examples and are not meant to restrict the claims' applicability.

A variety of materials are also recognised as fitting for certain aspects of the implementations. These materials should only be used as examples and are not meant to restrict the application of the innovation.

[036] Referring now to the drawings, these are illustrated in **FIG. 1&2** . The proposed invention is a comprehensive Data Analytics Platform for Economic Policy Evaluation and Optimization. This innovative platform combines advanced data analytics techniques, scenario modeling, predictive analytics, optimization algorithms, and interactive visualizations to provide policymakers, economists, and decision-makers with a powerful toolset for evaluating and optimizing economic policies.

[037] In the ever-evolving landscape of economics, policymakers face the challenge of designing and implementing effective policies that can drive economic growth, address social challenges, and improve overall welfare. However, accurately evaluating the impact of these policies and optimizing their parameters can be complex and time-consuming. Traditional approaches, such as econometric models and statistical techniques, often fall short in capturing the dynamic and interdependent nature of modern economies.

[038] The Data Analytics Platform for Economic Policy Evaluation and Optimization addresses these challenges by harnessing the power of advanced data analytics. The platform begins by collecting and integrating diverse datasets from various sources, including economic indicators, financial records, market trends, demographic information, and social data. This comprehensive data serves as the foundation for creating a dynamic model of the economy.

[039] Through the utilization of machine learning algorithms, the platform analyzes the integrated data and uncovers hidden patterns, correlations, and causal relationships. These insights enable policymakers to make evidence-based

decisions and gain a deeper understanding of the potential consequences of their policy choices. By incorporating sophisticated algorithms and predictive analytics capabilities, the platform can generate predictive models that anticipate the future impact of policy changes on the economy.

[040] One of the key features of the platform is scenario modeling, which allows policymakers to define and simulate different policy configurations. By inputting various policy parameters and assumptions, policymakers can observe and assess the effects of these policies on key economic indicators such as GDP growth, employment rates, inflation, income distribution, and more. This enables policymakers to evaluate the trade-offs associated with different policy choices and make informed decisions based on their desired outcomes.

[041] Additionally, the platform incorporates optimization algorithms that consider multiple objectives and constraints. Policymakers can specify their policy goals, such as maximizing economic growth while minimizing inequality, and the platform suggests optimal policy configurations that achieve these objectives. This optimization capability provides valuable insights into the potential synergies and trade-offs between different policy goals, assisting policymakers in making well-informed decisions.

[042] To enhance usability and facilitate decision-making, the platform offers interactive visualizations and user-friendly interfaces. Policymakers and economists can explore the data, visualize results, and gain actionable insights through interactive dashboards, charts, and graphs. These visualizations make complex economic concepts and relationships more accessible and enable policymakers to communicate insights effectively.

[043] The proposed Data Analytics Platform for Economic Policy Evaluation and Optimization is poised to revolutionize the way economic policies are evaluated and optimized. By leveraging advanced data analytics techniques, scenario modeling, predictive analytics, optimization algorithms, and interactive visualizations, the platform empowers policymakers, economists, and decision-makers to make informed decisions, optimize policy configurations, and drive sustainable economic growth. This comprehensive and user-friendly platform has the potential to contribute to efficient resource allocation, informed decision-making, and the overall well-being of economies.

[044] Furthermore, the Data Analytics Platform for Economic Policy Evaluation and Optimization has the capability to adapt and evolve with the changing economic landscape. It can accommodate new data sources and integrate emerging technologies to ensure that policymakers have access to the most relevant and up-to-date information. The platform can incorporate real-time data feeds from sources such as financial markets, social media, and sensor networks, allowing policymakers to assess the impact of policy changes in real-time and make timely adjustments if needed.

[045] The proposed invention also has broader implications beyond national economies. It can be utilized by international organizations, such as central banks, development agencies, and multilateral institutions, to assess the impact of policies on global economic trends and cooperation. The platform can facilitate collaboration and knowledge-sharing among policymakers from different countries, fostering a more coordinated and efficient approach to economic policy evaluation and optimization on a global scale.

[046] Additionally, the Data Analytics Platform for Economic Policy Evaluation and Optimization can contribute to transparency and accountability in policymaking. By providing a robust and data-driven framework for policy evaluation, it allows policymakers to justify their policy choices and communicate the rationale behind their decisions to stakeholders and the public. The platform's interactive visualizations and user-friendly interfaces can aid in presenting complex economic concepts in a comprehensible and accessible manner, facilitating public understanding and engagement in the policymaking process.

[047] Moreover, the Data Analytics Platform can have a positive impact on businesses and industries by providing valuable insights into the potential effects of economic policies on specific sectors. By understanding the implications of policy changes, businesses can make more informed decisions regarding investments, expansion plans, and resource allocation. This can contribute to a more favorable business environment and promote sustainable economic growth.

We Claim:

1. A Data Analytics Platform for Economic Policy Evaluation and Optimization, comprising:

   a. Data collection module for collecting diverse datasets related to economic indicators, financial records, market trends, demographic information, and social data.

   b. Integration module for integrating the collected datasets into a comprehensive and dynamic model of the economy.

   c. Machine learning algorithms for analyzing the integrated data to uncover patterns, correlations, and causal relationships.

   d. Scenario modeling feature for simulating the effects of different policy configurations on key economic indicators.

   e. Predictive analytics capabilities for generating predictive models that anticipate the future impact of policy changes.

   f. Optimization algorithms for identifying optimal policy configurations based on multiple objectives and constraints.

   g. Interactive visualizations and user-friendly interfaces for exploring data, visualizing results, and gaining actionable insights.
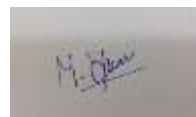
2. The Data Analytics Platform of claim 1, wherein the diverse datasets include economic indicators, financial records, market trends, demographic information, social data, and real-time data feeds.

3. The Data Analytics Platform of claim 1, wherein the machine learning algorithms employ techniques such as regression analysis, clustering, and classification to analyze the integrated data.

4. The Data Analytics Platform of claim 1, wherein the scenario modeling feature enables policymakers to define and simulate different policy configurations by adjusting policy parameters and assumptions.

5. The Data Analytics Platform of claim 1, wherein the predictive analytics capabilities utilize historical data and machine learning algorithms to generate predictive models that forecast the potential impact of policy changes on future economic conditions.

6. The Data Analytics Platform of claim 1, wherein the optimization algorithms consider multiple objectives, including maximizing economic growth, minimizing inequality, and optimizing resource allocation, to suggest optimal policy configurations.

7. The Data Analytics Platform of claim 1, wherein the interactive visualizations include interactive dashboards, charts, graphs, and other visual representations of economic data and policy outcomes.

8. The Data Analytics Platform of claim 1, wherein the user-friendly interfaces allow policymakers to interact with the platform, explore data, and adjust policy parameters in real-time.

9. The Data Analytics Platform of claim 1, further comprising a sensitivity analysis feature that assesses the robustness of policy recommendations to changes in underlying assumptions and parameters.

10. The Data Analytics Platform of claim 1, further comprising a communication module that facilitates the sharing of policy insights and recommendations with stakeholders and the public through reports, presentations, and data visualizations.

Dated this 10th day of July 2023

Signature:

Applicant(s)

5

Jayakumar M et. al.

ABSTRACT

<u>DATA ANALYTICS PLATFORM FOR ECONOMIC POLICY EVALUATION AND OPTIMIZATION</u>

[048] The proposed Data Analytics Platform for Economic Policy Evaluation and Optimization is an innovative tool that combines advanced data analytics techniques, scenario modelling, predictive analytics, optimization algorithms, and interactive visualizations. This platform empowers policymakers, economists, and decision-makers to evaluate and optimize economic policies effectively. By collecting and integrating diverse datasets related to economic indicators, financial records, market trends, demographic information, and social data, the platform creates a comprehensive and dynamic model of the economy. Utilizing machine learning algorithms, policymakers can analyze the integrated data to uncover hidden patterns and relationships, enabling evidence-based decision-making. The scenario modelling feature allows policymakers to simulate different policy configurations, while the predictive analytics capabilities forecast the future impact of policy changes. Optimization algorithms consider multiple objectives and constraints to identify optimal policy configurations. Interactive visualizations and user-friendly interfaces facilitate data exploration and decision-making. The proposed Data Analytics Platform for Economic Policy Evaluation and Optimization has the potential to revolutionize economic policy evaluation, leading to informed decision-making, efficient resource allocation, and sustainable economic growth.

Accompanied Drawing **[FIGS. 1-2]**

Dated this 10th day of July 2023

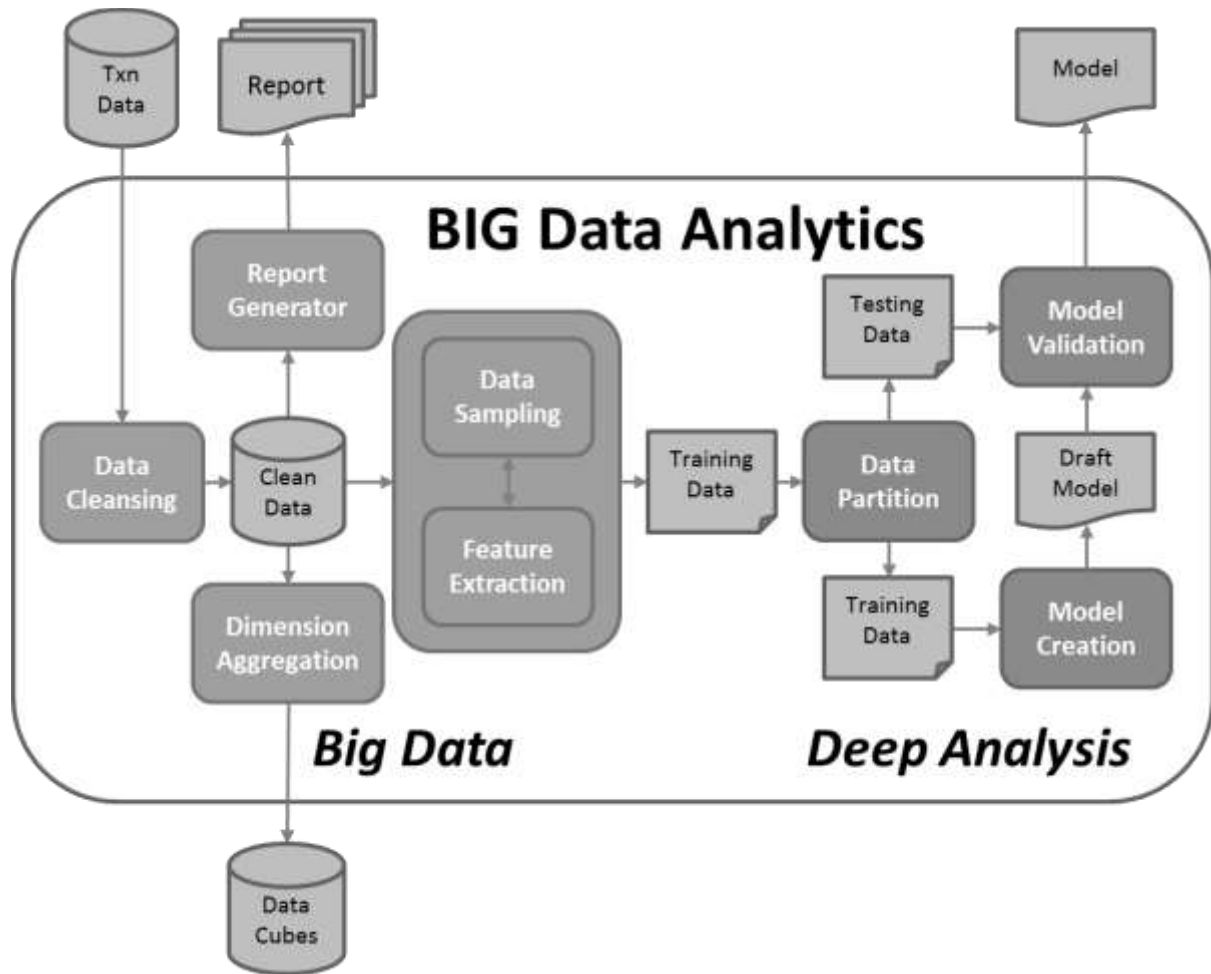Signature:

Applicant(s)
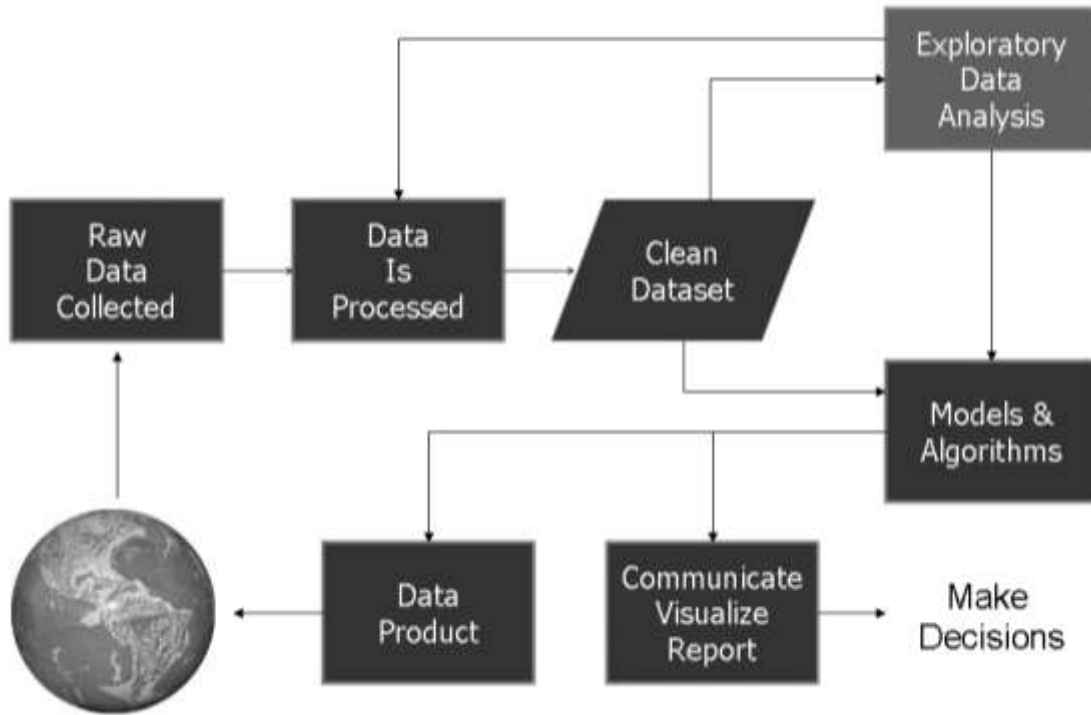
Jayakumar M et. al.

Figure 1

Figure 2

Dated this 10th day of July 2023

Signature:

Applicant(s) Name: Jayakumar M et. al.

FORM 3

THE PATENTS ACT,
1970 (39 of 1970)
and
THE PATENTS RULES, 2003
STATEMENT AND UNDERTAKING UNDER
SECTION 8
(See section 8; Rule 12)

1. Name of the applicant(s).	I/We Jayakumar M et. al., all are citizen of India, Address of one of the Applicant: Assistant Professor, Department of Management Studies, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, No.42, Avadi - Vel Tech Road, Avadi, Chennai, Pin: 600062.
2. Name, address and nationality of the joint applicant.	(i) that I/We have not made any application for the same/substantially the same invention outside India Or (ii) ~~that I/We who have made this application No...dated alone/jointly with .... ; made for the same/ substantially same invention, application(s) for patent in the other countries, the particulars of which are given below:~~

Name of the Country	Date of Application	Application No.	Status of the Application	Date of Publication	Date of grant
-	-	-	-	-	-

3. Name and address of the assignee	(iii) that the rights in the application(s) has/have been assigned to ……………… none …………………… ……………………………………………………………… ………………………… that I/We undertake that upto the date of grant of the patent by the Controller, I/We would keep him informed in writing the details regarding corresponding applications for patents filed outside India within six months from the date of filing of such application. **Dated this 10th day of July 2023**

4. To be signed by the applicant or his authorizedregistered patent agent.	**Signature:**
5. Name of the natural person who has signed.	Jayakumar M et. al. **Name of the Applicant(s)**
	To The Controller of Patents, The Patent Office, at Chennai
Note.- Strike out whichever is not applicable;	

FORM- 5

THE PATENTS ACT, 1970
(39 of 1970)
&
The Patents Rules, 2003
DECLARATION AS TO INVENTORSHIP
[See Section 10(6) and Rule 13(6)]

1. NAME OF THE APPLICANT

I/We Jayakumar M et. al., all are citizen of India, Address of one of the Applicant: Assistant Professor, Department of Management Studies, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, No.42, Avadi - Vel Tech Road, Avadi, Chennai, Pin: 600062.

hereby declare that the true and first inventor(s) of the invention disclosed in the complete specification filed in pursuance of ~~my~~ / our application numbered _____ dated 10-07-2023 ~~is~~/are

2. INVENTOR(S)

(a) NAME	(b) NATIONALITY	(c) ADDRESS
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7. Dr. Harshad Laxman Jadhav	Indian	Assistant Professor, Department of Economics, Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College (Autonomous), Vashi, Navi Mumbai PKC Road, Sector 15-A, Juhu Nagar, Vashi, Navi Mumbai, Pin: 400703	
8. Sovik Mukherjee	Indian	Assistant Professor in Economics, Department of Commerce (Morning Section), Faculty of Commerce & Management, St. Xavier's University, Kolkata, West Bengal, India	

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

N.A.

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 10th day of July 2023

Jayakumar M et. al.
Applicant(s)

To,
The Controller of Patents
The Patent Office, Chennai

FORM 9

THE PATENT ACT, 1970
(39 of 1970)
&
THE PATENTS RULES, 2003

REQUEST FOR PUBLICATION

[See section 11A (2) rule 24A]

I/We **Jayakumar M,Dr. Santosh Nandkumar Wadhawankar,Dr. Sandeep Baburao Abhang,Dr. Pratima Balasaheb Kadam,Dr. Sonal Sharad Bawkar,Dr. Rupam Mukherjee,Dr. Harshad Laxman Jadhav,Sovik Mukherjee** hereby request for early publication of my/our [Patent Application No.] TEMP/E-1/53420/2023-CHE

Dated **10/07/2023 00:00:00** under section 11A(2) of the Act.

Dated this(Final Payment Date):------------
Signature
Name of the signatory

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

This form is electronically generated.