



Bharatiya Shikshan Prasarak Sanstha, Ambajogai



Swa. Sawarkar Mahavidyalaya, Beed



Internal Quality Assurance Cell

3.Research, Innovations and Extension

3.2.1: Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre.

Patents

Patents

पेटेंट कार्यालय
शासकीय जर्नल

OFFICIAL JOURNAL
OF
THE PATENT OFFICE

निर्गमन सं. 18/2023
ISSUE NO. 18/2023

शुक्रवार
FRIDAY

दिनांक: 05/05/2023
DATE: 05/05/2023

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE




Principal
Swa. Sawarkar Mahavidyalaya,
Beed.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341029749 A

(19) INDIA

(22) Date of filing of Application :25/04/2023

(43) Publication Date : 05/05/2023

(54) Title of the invention : A Numerical and Analytical Method for Solving Nonlinear Equations using Fixed Point Iteration

(71)Name of Applicant :

1)Dr. Karthik Chinnasamy

Address of Applicant :Assistant Professor, Department of Mathematics,
Koneru Lakshmaiah Education Foundation (Deemed to be University), Andhra
Pradesh, India, Pincode: 522302 -----

2)Mrs. CH. Neelima

3)Dr. Chandan Kumar Sahoo

4)Mrs. Akkaraju Lalitha

5)Dr. C. Gayathri

6)Dr. Vinod B. Kulkarni

7)Dr. D. Babu Reddy

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Karthik Chinnasamy

Address of Applicant :Assistant Professor, Department of Mathematics, Koneru
Lakshmaiah Education Foundation (Deemed to be University), Andhra Pradesh,
India, Pincode: 522302 -----

2)Mrs. CH. Neelima

Address of Applicant :Assistant Professor, Department of Mathematics, Anil
Neerukonda Institute of Science & Technology (ANITS), Sangivalasa,
Visakhapatnam, Andhra Pradesh, India, Pincode: 530041 -----

3)Dr. Chandan Kumar Sahoo

Address of Applicant :Associate Professor in Mathematics, Department of Basic
Science and Humanities, Gandhi Institute of Excellent Technocrats, Gangapatana,
Bhubaneswar, Odisha, India, Pincode: 754052 -----

4)Mrs. Akkaraju Lalitha

Address of Applicant :Adjunct Faculty, Faculty of Management and Commerce,
PES University, Bengaluru, Karnataka, India, Pincode: 560085 -----

5)Dr. C. Gayathri

Address of Applicant :Associate Professor, Department of Mathematics,
Department of Science and Humanities. Er. Perumal Manimekalai College of
Engineering. Koneripalli, Hosur, Tamilnadu, India, Pincode: 635 117 -----

6)Dr. Vinod B. Kulkarni

Address of Applicant :Professor and Head, Department of Mathematics &
Statistics, Swa. Sawarkar Mahavidyalaya, Beed, Maharashtra, India, Pincode:
431122 -----

7)Dr. D. Babu Reddy

Address of Applicant :Assistant Professor, Department of Mathematics, JNTUA
College of Engineering (Autonomous), Pulivendula, YSR Kadapa, Andhra
Pradesh, India, Pincode: 516390 -----

(51) International classification :E21B 430000, G01V 990000, G06F 111000,
G06F 171300, H04N 071730

(86) International Application
No :PCT//

Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to :NA

Application Number :NA

Filing Date

(62) Divisional to Application :NA

Number :NA

Filing Date

(57) Abstract :

This invention proposes a numerical and analytical method for solving nonlinear equations using fixed point iteration. The method involves selecting an initial guess and defining an iteration formula to iteratively apply until convergence to a fixed point is achieved. The system incorporates both numerical and analytical techniques to optimize the solution process, including determining an optimal initial guess and iteration formula using calculus and optimization theory. The proposed system has potential applications in various fields of science and engineering and can handle a wide range of nonlinear equations. The method is efficient and accurate and has the potential to significantly impact the field of numerical analysis.

No. of Pages : 18 No. of Claims : 10




Principal

Swa. Sawarkar Mahavidyalaya
Beed.



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



Application Details			
APPLICATION NUMBER	202341029749	APPLICATION TYPE	ORDINARY APPLICATION
FILING DATE	25/04/2023	INVENTOR NAME	1 . Dr. Karthik Chinnasamy 2 . Mrs. CH. Neelima 3 . Dr. Chandan Kumar Sahoo 4 . Mrs. Akkaraju Lalitha 5 . Dr. C. Gayathri 6 . Dr. Vinod B. Kulkarni 7 . Dr. D. Babu Reddy
INVENTION TITLE	A Numerical and Analytical Method for Solving Nonlinear Equations using Fixed Point Iteration		
INVENTION CLASS	COMPUTER SCIENCE		
As Per Record)	03mrmanoj@gmail.com		



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

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



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

INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202311028600
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	19/04/2023
APPLICANT NAME	1. Mr. Gaurav Kumar 2. Mr. Chetan Wasudeorao Rawarkar 3. Mr : Aditya Sable 4. Dr. Vinod B. Kulkarni 5. Dr Ashok Kumar Koshariya 6. Harshavardhana Doddamani 7. Mr SRINATH G M 8. Mr. Amol Chandrakant Jadhav
TITLE OF INVENTION	IOT ENABLED LEAF DISEASE DETECTION USING DEEP LEARNING ALGORITHMS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	researchr08@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	researchr08@gmail.com
E-MAIL (UPDATED Online)	



(Signature)

Principal

Swa. Sawarkar Mahavidyalaya
Beed.

PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	26/05/2023

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

			View Documents
--	--	--	--------------------------------

➡	Filed	➡	Published	➡	RQ Filed	➡	Under Examination	➡	Disposed
---	-------	---	-----------	---	----------	---	-------------------	---	----------

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




Principal
Swa.Sawarkar Mahavidyalaya
Beed.