

Bharatiya Shikshan Prasarak Sanstha, Ambajogai



## Swa. Sawarkar Mahavidyalaya, Beed



### Internal Quality Assurance Cell 3.Research, Innovations and Extension

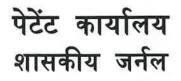
3.2.1: Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre.

### Patents

# Patents

E

13



### OFFICIAL JOURNAL OF THE PATENT OFFICE

Reference and the second se		
निर्गमन सं. 18/2023	शुक्रवार	दिनांक: 05/05/2023
ISSUE NO. 18/2023	FRIDAY	DATE: 05/05/2023

#### पेटेंट कार्यालय का एक प्रकाशन PUBLICATION OF THE PATENT OFFICE



all Swa.Sawarkar Mahavidyalaya Beed.

The Patent Office Journal No. 18/2023 Dated 05/05/2023

33943

(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

<ul> <li>(51) International classification</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication Not (61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E21B 430000, G01V 990000, G06F 111000, G06F 171300, H04N 071730 :PCT// :01/01/1900 o: NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)Dr. Karthik Chinnasamy</li> <li>Address of Applicant :Assistant Professor, Department of Mathematics,</li> <li>Koneru Lakshmaiah Education Foundation (Deemed to be University), Andhra</li> <li>Pradesh, India, Pincode: 522302</li></ul>
		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
		<ul> <li>6)Dr. Vinod B. Kulkarni</li> <li>Address of Applicant :Professor and Head, Department of Mathematics &amp; Statistics, Swa. Sawarkar Mahavidalaya, Beed, Maharashtra, India, Pincode: 431122</li></ul>

(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



Swa.Sawarkar Mahavidyalaya Beed.

The Patent Office Journal No. 18/2023 Dated 05/05/2023

34589

	ntSearch/ViewApplicationStatus
Office of the Controller General of Patents, De Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India	fice of the Controller General of Patents, Designs & Trade Marks partment of Industrial Policy & Promotion. Inistry of Commerce & Industry. Inistry of Commerce & Industry.
	Application Details
<b>FION NUMBER</b>	202341029749
FION TYPE	ORDINARY APPLICATION
FILING	25/04/2023
Principal Swa.Sawarkar Mahavidya Beed.	<ol> <li>Dr. Karthik Chinnasamy</li> <li>Mrs. CH. Neelima</li> <li>Ins. CH. Neelima</li> <li>Dr. Chandan Kumar Sahoo</li> <li>Mrs. Akkaraju Lalitha</li> <li>Dr. C. Gayathri</li> <li>Dr. C. Gayathri</li> <li>Dr. D. Babu Reddy</li> </ol>
INVENTION	A Numerical and Analytical Method for Solving Nonlinear Equations using Fixed Point Itel
INVENTION	COMPUTER SCIENCE
Vs Per Record)	03mrmanoj@gmail.com



	~
ŝ	<u>.</u>
	2
ŝ	Ξ.
	~
ŝ	ç
	Ξ.
	ŏ.
	<u> </u>
1	5
ł	ц.
1	-
	ч.
1	₹.
	Q.
	0
1	Ф
•	≞.



B.S.P.S. Ambajoga https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

000

Principal Swa.Sawarkar Mahavidyalaya Beed.

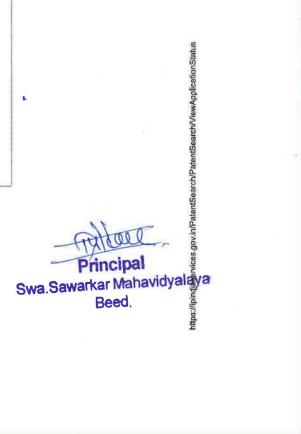
19.6

1/2

5/27/23, 12:17 PM

	Ē
1	₹
	liedoj
1	
	BCTUA
	Intelle

	Construction of the second	1 C
PRIORITY DATE		
REQUEST FOR EXAMINATION DATE		1
PUBLICATION DATE (U/S 11A)	26/05/2023	1
		1
	Application Status	1
APPLICATION STATUS	Awaiting Request for Examination	1
	View Documents	1 7 1
		1
Filed Filed Fubli	Filed <b>The Published The RO Filed The Under Examination Disposed</b>	
າ case of any discrepancy in status, kindly contact ipo-heipdesk@nlc.in	y contact ipo-heipdesk@nic.in	1



2/2

+