

CURRICULUM VITAE

PERSONAL INFORMATION

Name	DR. DEEPAK DEVIDASRAO GAWALI
Educational qualification	PH.D.- IIT BOMBAY, M.E. INSTRUMENTATION , B.E. INSTRUMENTATION
Address	FLAT NO:304, SANSKRITI-B, COSMOS HERITAGE, CHITALSAR MANPADA, THANE-W,400610, MAHARASHTRA, INDIA
Telephone	+91-9869304153
E-mail	ddgawali2002@gmail.com
Nationality	Indian
Date of birth	24 JANUARY 1977
Gender	MALE
Marital Status	MARRIED

INDUSTRIAL EXPERIENCE :

Dates	15 SEPTEMBER 1998 - 14 MARCH 1999 (06 MONTHS)
Occupation or position held	Graduate Trainee Engineer
Name and address of employer	Jindal Iron and Steel Company Limited, Boisar, Maharashtra, India.
Dates	03 MARCH 1999 – 30 MARCH 2000 (1 YEAR)
Occupation or position held	A Graduate Apprentice
Name and address of employer	Maharashtra State Electricity Board, Thermal Power Station, Parli-Vaijnath, Beed, Maharashtra, India

TEACHING EXPERIENCE :

Dates	19 JULY 2000 - 02 JANUARY 2006 (05 YEARS)
Occupation or position held	Lecturer
Name and address of employer	Parshvanath College of Engineering, Kasar-Vadavali, Ghodbunder Road, Thane, Maharashtra, India
Dates	03 JANUARY 2006 - TILL DATE
Occupation or position held	Professor and HOD
Name and address of employer	Vidyavardhini's College of Engineering and Technology, K.T. Marg, Vasai, Palghar, Maharashtra, India

EDUCATIONAL QUALIFICATIONS

DEGREE	YEAR	UNIVERSITY	COURSE/COLLEGE	GRADE
Ph. D. Systems and Control	2017	IIT Bombay , India	Indian Institute of Technology Bombay, India	6.90 / 10
M.E. Instrumentation	2004	S.R.T.M. University Nanded, Maharashtra, India.	Shri Guru Gobind College of Engineering and Technology, Nanded, Maharashtra, India	68 % (First Class)
B.E. Instrumentation	1998	Dr. B.A.M.U., Aurangabad, Maharashtra, India	Jawaharlal Nehru Engineering College, Aurangabad, Maharashtra, India	63 % (First Class)
H. S. C.	1994	State Board	Marathwada High School, Parbhani	72 % (First Class)
S. S. C.	1992	State Board	Shri. Shivaji College, Parbhani	66 % (First Class)

INTERNATIONAL/ NATIONAL JOURNAL / CONFERENCE PUBLICATIONS

INTERNATIONAL JOURNAL PUBLICATIONS

1. Gawali D., Zidna A., Nataraj P.S.V. Algorithms for unconstrained global optimization of nonlinear (polynomial) programming problems: the single and multi-segment polynomial B-spline approach. , Vol. 87, PP. 205-220, Computers & Operations Research, Elsevier, 2017.
2. Gawali, D.D., Zidna, A. & Nataraj, P.S.V. An Integrative Approach for Analysis of Nonlinear Electrical Circuits Using-Polynomial B-Spline Expansion and B-Spline Krawczyk Operator. Int. J. Appl. Comput. Math 8, 1 (2022). Springer, <https://doi.org/10.1007/s40819-021-01198-w>
3. Gawali D., Bhagesh Patil, Zidna A., Nataraj P.S.V. Constrained global optimization of multivariate polynomials using polynomial B-spline form and B-spline consistency prune approach. RAIRO-Oper. Res. Volume 55, Number 6, 3743 – 3771. EDP Sciences.
4. Gawali, D.D. B-Spline Krawczyk Approach for Solving Polynomial Systems, Design Engineering, 2021(06), 8547-8555. Rogers Media Publishing.
5. Gawali, D.D. Subdivision Algorithms for Solving a Polynomial System: Empirical Comparisons. Design Engineering, 2021(04), 2257 - 2274. Rogers Media Publishing.
6. Gawali, D.D. Bounding Zeros of Polynomial Systems Using B-Spline Expansion and Hansen-Sengupta Contractor. Design Engineering, 2021(02), 1123 - 1136. Rogers Media Publishing.
7. Gawali, D.D. Solving Nonconvex Optimization Problems: A Polynomial B-Spline Approach, Design Engineering, 2020(12), 1116 – 1126. Rogers Media Publishing.
8. Gawali, D.D. An Interval Newton Methods for Bounding Zeros of Polynomial Systems using B-Spline Expansion. Design Engineering, 2020(10), 876 - 889. Rogers Media Publishing.
9. Gawali, D.D. Robust Stability Analysis using Polynomial B-spline Approach. Design Engineering, 2020(08), 909 - 919. Rogers Media Publishing.
10. Gawali, D.D. Solving Nonconvex Optimization problems in Control Systems: A Polynomial B-Spline Approach. Design Engineering, 2020(07), 961 - 970. Rogers Media Publishing.

	11. Gawali, D.D. Algorithms for Constrained Global Optimization of Nonlinear (Polynomial) Programming Problems: The Multi Segment Polynomial B-Spline Approach. Design Engineering, 2020(06), 671 - 688. Rogers Media Publishing.
INTERNATIONAL/ NATIONAL CONFERENCE PUBLICATIONS	<ol style="list-style-type: none"> 1. Gawali D., Zidna A., Nataraj PSV. Solving Nonconvex Optimization Problems in Systems and Control: A Polynomial B-spline Approach. In: Modelling, Computation and Optimization in Information Systems and Management Sciences, Springer, 2015, 467-478. 2. Gawali D., Patil, B., Zidna A., Nataraj PSV. A B-spline Global Optimization Algorithm for Optimal Power Flow Problem. In: Optimization of Complex Systems: Theory, Models, Algorithms and Applications, Springer, 2019, 58-67. 3. Gawali D., Zidna A., Nataraj PSV. B-spline Krawczyk Approach for Solving Polynomial Systems. 2nd National Conference on "Technical Advancements for Social Upliftment", 04th April, 2020 Vidyavardhini's College of Engineering & Technology (VCET), Vasai (INDIA).
POSTER PUBLICATIONS	<ol style="list-style-type: none"> 1. Agrawal, Nitin, Gawali, Deepak, Nataraj S. V., Paluri. Accelerated B-spline coefficient Computation, GPU Technology Conference (GTC), San Jose, California, 2015. 2. D. D. Gawali, P. S. V. Nataraj and A. Zidna . A Global Optimization Algorithm based on Cubic B-Splines for Multivariate Functions, MAMERN VII-2017, Oujda (Morocco), 2017.

UNIVERSITY WORK :

	<ol style="list-style-type: none"> 1. Nominated as a Member on Board of Studies in Instrumentation Engineering, University, Mumbai from 13th Sep 2019 for three years. 2. Nominated as a Member of Result Moderation committee for Bio Medical / Instrumentation Engineering, University, Mumbai from 13th Sep 2019 3. Worked in the 2012, 2016 and 2019 Revised Syllabus formation Committee.
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RESPONSIBILITIES HANDLED AT:

DEPARTMENT LEVEL/ INSTITUTE LEVEL	<ol style="list-style-type: none"> 1. Role and duties of HOD. 2. Involved in preparing documentation and data collection for NAB & NAAC. 3. Institute Nodal officer for NIRF. 4. Coordinator for Institute National Level Project showcase. 5. Establishment of Centre of Excellence.
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DEVELOPMENT OF CENTRE OF EXCELLENCE :

	<ol style="list-style-type: none"> 1. AVEVA Instrumentation Centre of Excellence, in 2017-18 with education grant of Rs. 2,14,40000 From AVEVA. 2. SIEMENS Centre of Excellence, in 2018-19.
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SCOPUS ID

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ORCID AND PUBLONS RESEARCHER ID

	https://orcid.org/0000-0002-2676-3570 ; http://www.researcherid.com/rid/AAQ-7321-2021
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