

National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

	Tiruchirappalli		

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
PhD	IIT Guwahati	2019		Fractal Interpolation
Msc	IIT Madras	2012	I Class	Mathematics
Bsc	St. Joseph's college, Tiruchirappalli	2010	I Class	Mathematics
12 th Standard	State Board	2004	I Class	Tamil, English, Maths, Physics, Chemistry, Biology
10 th Standard	State Board	2002	I Class	Tamil, English, Maths, Science, Social Science

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

12. Fellowships

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Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2013	UGC-NET	CSIR	October 2013	-

13. Details of Academic Work

- (i) Curriculum Development
- (ii) Courses taught at Postgraduate and Undergraduate levels
 - 1. Linear algebra
 - 2. Differential equations and Transform techniques
 - 3. Calculus for Engineers
 - 4. Statistics for Engineers
 - 5. Computational Statistics
 - 6. Complex variables
- (iii) Projects guided at Postgraduate level
- (iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue

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July 15-29, 2016	GIAN	National	Participant	IIT Madras	IIT Madras
December 15-17, 2016	Conference on Latest Advances in Computational and Applied Mathematics	International	Paper presenter	Mahindra Ecole Centrale	Mahindra Ecole Centrale
December 22-23, 2016	National Conference on Advances in Mathematical Sciences	National	Paper presenter	Gauhati University	Gauhati University

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue

18. Invited Talks delivered

Topic	Date	Inviting Organization

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date

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20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
N.Balasubramani	Shape preserving rational cubic fractal interpolation function	Journal of computational and applied mathematics	319	277-295	2017	
N.Balasubramani, M. G. P. Prasad and S. Natesan	Constrained and convex interpolation through rational cubic fractal interpolation surface	Computational and applied mathematics	37	6308-6331	2018	
N.Balasubramani, M. G. P. Prasad and S. Natesan	Rational cubic fractal spline for visualization of shaped data	Neural, parallel, and scientific computations	26	183-210	2018	
N.Balasubramani, M. G. P. Prasad and S. Natesan	Fractal quintic spline solutions for fourth-order boundary-value	International journal of applied and computational mathematics	5		2019	

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	problems					
N.Balasubramani, M. G. P. Prasad and S. Natesan	Fractal quintic spline method for nonlinear boundary- value problems	Hacettepe Journal of Mathematics and Statistics	49	1885- 1903	2020	
N.Balasubramani, M. G. P. Prasad and S. Natesan	Fractal cubic spline methods for singular boundary- value problems	International journal of applied and computational mathematics	6		2020	
N.Balasubramani, M. G. P. Prasad and S. Natesan	Shape preserving α -fractal rational cubic splines	Calcolo	57		2020	
N. Balasubramani and A. Gowrisankar	Affine recurrent fractal interpolation functions	The European Physical Journal Special Topics	230	3765– 3779	2021	

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number

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