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

Curriculum Vitae

Bibin Francis completed his Ph.D. from the Indian Institute of Science Bangalore in 2019. During Ph.D tenure, he worked on inverse problem and optimization theory for biomedical signal processing. His area of research include optimization theory, inverse problems, image processing, machine learning and deep learning

1. Name: Dr. Bibin Francis

2. Designation: Assistant Professor

3. Office Address: Room Number 315, Electronics and Communication Engineering

4. Telephone (Direct) (Optional):

   Telephone :   Extn (Optional):

   Mobile (Optional): 9902054468

5. Email (Primary):bibin@nitt.edu   Email (Secondary) :francisbibingeorge@gmail.com

6. Field(s) of Specialization: Signal Processing, Image processing. Optimization, Machine Learning and Deep Learning

7. Employment Profile

Job Title	Employer	From	To
Senior Research Engineer	Vijna Labs	2019	2021
Post doc student	IIIT Hyderabad	5/2021	12/2021
Adhoc Faculty	IIIT Kottayam	1/1/2022	30/9/2022
Assistant Professor	NIT Trichy	3/10/2022	Present

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D	Indian Institute of Science (IISc), Bangalore	2012-19		Signal processing
M.Tech	College of Engineering, Trivandrum (CET)	2008-10	First class	Signal processing
B.Tech	St. Joseph college of engineering and technology, Pala	2004-08	First class	Electronics and communication Engineering
HSE	Government higher secondary school, Pala	2002-04	First class	Science
10th	St. Vincent Higher Secondary school, Pala	2002	First class	

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Adhoc Faculty	Electronics and Communication Engineering/ IIIT Kottayam, Pala	1/1/2022	30/9/2022

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

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

13. Details of Academic Work
    (i) Curriculum Development
    (ii) Courses taught at Postgraduate and Undergraduate levels
        1) Deep learning
        2) Machine learning
        3) Computer organization and architecture
        4) Digital Electronics
    (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	Title of PhD	Role(Supervisor/ Co-	Year of

Scholar	Thesis	Supervisor)	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

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

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)
B. Francis, S. Viswanath and M. Arigovindan,	\Scattered Data Approximation by Regular Grid Weighted Smoothing	Sadhana	43	1-16	2018	1.214
B. Francis, M. Mathew and M. Arigovindan	Multiresolution-based weighted regularization for denoised image interpolation from scattered samples with application to confocal microscopy	JOSA A	35	1749-1759	2018	2.104
B. Francis, M. Mathew and M. Arigovindan	"Image Reconstruction from Undersampled Confocal Microscopy Data using Multiresolution Based Maximum Entropy Regularization	Journal of Instrumentation	14	P07015	2019	1.415

(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