



Curriculum Vitae

Title	Dr.	First Name	Nirmal	Last Name	Yadav	Photograph
Designation		Assistant Professor				
Address		Room No. 113, Cluster Innovation Centre, Rugby Sevens Building, University Stadium, North Campus, University of Delhi, Delhi-110007				
Phone No	Office	+91-11-27666702				
Residence						
Mobile						
Email		nyadav@cic.du.ac.in nirmaliitr25@gmail.com				
Web-Page						
Educational Qualifications						
Degree		Institution				Year
Ph.D.		Indian Institute of Technology Roorkee				2014
M.Sc.		University of Rajasthan				2008

Career Profile		
Organisation/Institute	Designation	Year
Cluster Innovation Centre,	Assistant Professor	July 2015 onwards
Cluster Innovation Centre,	Assistant Professor(Ad-hoc)	Aug 2014-July 2015
Administrative Assignments		
• Convener, Hostel Committee, CIC, University of Delhi • Member, Cultural and Extracurricular Committee, CIC, University of Delhi. • Member, Disciplinary Committee, CIC, DU.		
Areas of Interest / Specialization		
Computed Tomography, Inverse Problems, Error Analysis, Medical Imaging with Deep learning.		
Subjects Taught		
Linear Algebra, Numerical Analysis, Graph Theory, Probability & Statistics, Calculus, Partial Differential Equations, Ordinary Differential equations, Discrete Mathematics and Graph Theory, Linear Programming Problems		
Research Guidance		
NIL		
Publications Profile		

1. Pooja Raj Verma, Monica & Nirmal Yadav, "Strip-saturation model for arbitrary polarized electro-elastic material weakened by an eccentrically situated anti-plane semi-permeable crack" International Journal for Computational Methods in Engineering Science & Mechanics, 24, 417-428, Oct 2023.
2. Nirmal Yadav, "A deep data-driven approach for enhanced segmentation of blood vessel for diabetic retinopathy", International Journal of Imaging Systems and Technology, <https://doi.org/10.1002/ima.22720>, March 2022.
3. Nirmal Yadav, "Retinal blood vessel detection for diabetic retinopathy with Ridgelet transform and convolution neural network", International Journal of Wavelets, Multiresolution and Information Processing, **18**, pp 1-15, 2020.
4. Nirmal Yadav and Tanuja Srivastava, "Analysis of Error in Convolution Algorithm for Tomography in Discrete Spaces", International Journal of Applied and Computational Mathematics, vol 6, no 104, 2020.
5. Nirmal Yadav and Tanuja Srivastava, "A Modified Convolution Backprojection Algorithm for Tomographic Image Reconstruction with Contourlet Transform" International Journal of Computing Science and Mathematics, vol 7, pp 156-165, 2016
6. Tanuja Srivastava and Nirmal Yadav, "Error Estimation of Discrete Convolution Backprojection for Discrete Radon Transform" International Journal of Information and Communication Technology, Vol.7. Nos. 4/5, pp 455-468, 2015.
7. D Yadav, R Bhargava, GS Agrawal, N Yadav, J Lee, MC Kim, "Thermal instability in a rotating porous layer saturated by a non-Newtonian nanofluid with thermal conductivity and viscosity variation", Microfluidics and Nano fluidics (Springer) 16 (1-2), 425-440, 2014.
8. Tanuja Srivastava and Nirmal Yadav*, "On Image Reconstruction Algorithms with Discrete Radon Transform" International Journal of Applied Mathematics and Statistics, Issue: 2013, Volume 47, Issue Number: 17.
9. Nirmal Yadav and Tanuja Srivastava, "Local and Global Tomographic Image Reconstruction with Discrete Radon Transform" IEEE Digital Library, 978-1- 4673-4862-1/13.

Conference Organization/ Presentations (in the last three years)

Member of organizing committee in "National Seminar on Innovation in Higher Education through Public-Private - Partnership (PPP) Model"

Research Projects (Major Grants/Research Collaboration)

Worked as a CO-PI in innovation project "Hiware Bazaar" Funded by university of Delhi.

Awards and Distinctions

Gate (Graduate Aptitude Test in Engineering)
 NET (National Eligibility Test for Teaching): UGC-JRF
 Junior Research Fellowship (UGC-JRF): Dec. 2009 - Dec. 2012 Senior Research Fellowship (UGC-SRF): Jan. 2012-June 2014.

Association With Professional Bodies

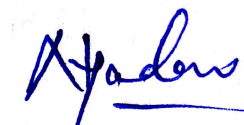
1. Universal Association of Computer and Electronics Engineers (UACEE)- Membership ID is SM1005069.
2. International Association of Engineers (IAENG) - Member No: 136111.
3. Member of Ramanujan Mathematical Society.

Other Activities

Attended Refresher Course at JNU from 14th October to 26th October 2019.

Attended Faculty Development Program on BIOMATHEMATICS at Department of Mathematics, P.G.D.A.V. College, University of Delhi and Mahatma Hansraj Faculty Development Centre from 15th October 2020 to 28th October 2020.

Attended Faculty Development Program on Application of Algebra and Number theory in network Security at Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi from 22/12/2020 to 29/12/2020.



Signature of Faculty Member