




## Faculty Details proforma for DU Web-site

Title	Dr.	First Name	Nirmal	Last Name	Yadav	Photograph
Designation		Assistant Professor				
Address		D-6, Surbhi Apartment, Sushant Lok Sector-43, Gurgaon-122021				
Phone No	Office	+91-11-27666702				
	Residence					
	Mobile	7532953663				
Email	nirmaliitr25@gmail.com					
Web-Page						
<b>Educational Qualifications</b>						
Degree		Institution			Year	
Ph. D.		Indian Institute of Technology, Roorkee			2014	
M.Sc.		University of Rajasthan, Jaipur			2008	
B.Sc.		University of Rajasthan, Jaipur			2006	
<b>Career Profile</b>						
<b>Institute</b>		<b>Designation</b>		<b>Year</b>		
Cluster Innovation Centre		Assistant Professor		2014 to Till Date		
University of Delhi						
<b>Administrative Assignments</b>						
<b>Areas of Interest / Specialization</b>						
<ul style="list-style-type: none"> <li>• Computed Tomography</li> <li>• Signal Transforms and Image Processing</li> </ul>						
<b>Subjects Taught</b>						
<ul style="list-style-type: none"> <li>• Signal Transforms (Undergraduate)</li> <li>• Calculus (Undergraduate and Postgraduate)</li> <li>• Discrete Mathematics (Undergraduate)</li> <li>• Ordinary Differential Equation (Undergraduate and Postgraduate)</li> <li>• Probability &amp; Statistics (Undergraduate and Postgraduate)</li> </ul>						
<b>Research Guidance</b>						

Publications Profile
<ul style="list-style-type: none"> <li>• 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.</li> <li>• Tanuja Srivastava and Nirmal Yadav, “Error Estimation of Discrete Convolution Backprojection for Discrete Radon Transform” International Journal of Information and Communication Technology, Volume 7, Issue 4-5, 2015.</li> <li>• Nirmal Yadav and Tanuja Srivastava, “Local and Global Tomographic Image Reconstruction with Discrete Radon Transform” IEEE Digital Library, 978-1- 4673-4862-1/13.</li> <li>• Nirmal Yadav and Tanuja Srivastava, “A Modified Convolution Backprojection Algorithm for Tomographic Image Reconstruction with Contourlet Transform” International Journal of Computing Science and Mathematics, Volume 7, No. 2, 2016.</li> </ul>
Conference Organization/ Presentations (in the last three years)
<ul style="list-style-type: none"> <li>• Nirmal Yadav and Tanuja Srivastava, “Local and Global Tomographic Image Reconstruction with Discrete Radon Transform” International Conference on Signal Processing, Image Processing and Pattern Recognition IEEE Digital Library, 978-1-4673-4862-1/13, ICSIPR’2013.</li> <li>• Nirmal Yadav and Tanuja Srivastava, “A New Implementation of Wavelet Transform for Reconstruction of Tomographic Images” in International Conference on Advances in Modelling, Optimization and Computing organized by Department of Mathematics, I.I.T. Roorkee Dec 5-7’ 2011.</li> <li>• Nirmal Yadav and Tanuja Srivastava, "Error Estimation for Cone Beam Tomography" International conference on Mathematical Sciences (Published by Elsevier) Chennai. Vol. / 2014.</li> <li>• Nirmal Yadav and Tanuja Srivastava, “Convolution Backprojection Algorithm for Tomographic Image Reconstruction with Contourlet Transform” accepted in The Second International Conference on Engineering and Computational Mathematics (ECM2013), Hong-Kong .</li> </ul>
Research Projects (Major Grants/Research Collaboration)
<p>projects with undergraduate and postgraduate students at Cluster Innovation Centre.</p>
Awards and Distinctions
<p>Gargi Prize –Rajasthan Government</p>
Association With Professional Bodies
<p>Life member of Ramanujan Mathematical Society Alumini – IIT Roorkee</p>

#### Other Activities

- Participated in Short Term Course on Medical Imaging and Image Analysis conducted at School Medical Science and Technology, Indian Institute of Technology Kharagpur.
- Participated in Advanced Instructional School on Theoretical and Numerical Aspects of Inverse Problems organized by Tata Institute of Fundamental Research Bangalore, during 16 June 2014 to 28 June 2014.
- Participated in National Workshop on Scientific /Research Paper Writing organized by The National Academy of Sciences, India.