

## **CURRICULAM VITAE**

**NAME OF STAFF** : **Dr. Neelam Jain Gupta**

**PROFESSION** : Pavement Evaluation,  
Road Asset Management,  
Information, Liaison and Training,  
Traffic Engineering and Road Safety,  
Road Network Planning, Regional Planning,  
Numerical Analysis and Computer Applications

**DATE OF BIRTH** : 06-09-1968

**YEAR WITH FIRM/ENTITY** : 27 years

**NATIONALITY** : Indian

### **MEMBERSHIP IN PROFESSIONAL SOCIETIES:**

Life Member	Indian Road Congress
Delhi Chapter	Indian Geotechnical Society
Member	Institute of Urban Transport

### **DETAIL TASK ASSIGNED:**

Pavement Evaluation, Information, Liaison and Training, Road Development Planning, Regional Planning, Traffic Engineering and Road Safety, Road Network evaluation using GIS, Socio-Economic Aspects, Database Development and Analysis

### **KEY QUALIFICATIONS:**

Over 27 years of experience in numerical analysis based on programming in high-level languages. Professional experience in the areas of planning and management of roads and transportation. It includes wide spectrum of road network planning, regional planning, socio-economic analysis, database management etc. Preparation of maps and data base development in GIS environment using TransCAD, MapInfo software, Preparation of manuals and technical documents, organizational and management aspects.

Published more than 80 research and review papers, out of them 23 are in Journals.

## EDUCATIONAL QUALIFICATION:

Degree	University/Institution	Year	Division	Specialization
B. Sc.	Meerut University	1987	First	Physics, Chemistry, Mathematics
M. Sc.	University of Roorkee	1989	First	Applied Mathematics
M. Phil.	University of Roorkee	1990	First	Computer Applications
Ph. D.	University of Roorkee	1996	-	Numerical Analysis

## EXPERIENCE:

Employer	Period	Position held
Gurukul Kangri University, Haridwar	1996	Lecturer
University of Roorkee	1996 - 1997	Research Associate
Institute of Technology and Management, Gurgaon	1997	Lecturer
Central Road Research Institute, New Delhi	Sept 1997-Jan 2004	Scientist B
Central Road Research Institute, New Delhi	Jan 2004-Jan 2009	Scientist C
Central Road Research Institute, New Delhi	Jan 2009-Jan 2014	Scientist E1
Central Road Research Institute, New Delhi	Jan 2014 -Jan 2019	Principal Scientist
Central Road Research Institute, New Delhi	Jan 2019- Jan 2025	Senior Principal Scientist
Central Road Research Institute, New Delhi	Jan 2025 till date	Chief Scientist

## SCHOLARSHIPS/FELLOWSHIPS:

1. Qualified National Educational Test, NET in 1989
2. Qualified Graduate Aptitude Test in Engineering, GATE in 1990
3. Junior Research Fellowship from University Grant Commission for the period 1989-1990
4. Senior Research Fellowship from University Grant Commission for the period 1990-1993
5. Research Associateship from Council of Scientific and Industrial Research for the period 1996-1997

## PROJECTS/CONSULTANCIES:

### Consultancy projects:

1. Condition Assessment using Modern Data Collection Techniques and Preparation of Annual Maintenance Plan using HDM-4 of Odisha PWD Roads
2. Development of Airfield Pavement Management System
3. External Technical/ Quality Audit of 16-lane carriageway of UER-II (NH-344M&NH-344N) and Dwarka Expressway (NH-24SBB) under PIU, Dwarka, New Delhi
4. Evaluation of NDMC Roads for suggesting recommendations for suitable maintenance and rehabilitation measures and third party construction quality supervision works under the jurisdiction of SE (Roads) North & South
5. Identification of the most critical locations having the highest impact on traffic in case of vehicular breakdown

6. Various training programs in CRRI being Head ILT
7. 12<sup>th</sup> Five Year Plan Project “Vulnerability assessment and Development of Adaptation Strategies for climate Change Impact with special reference to coasts and island ecosystems of India (VACCIN)”
8. Road Safety Audit during Development and Construction Phases of 4-laning of National Highways under PPP on DBFO basis, PACKAGE 7, 12..sponsored by NHAI
9. 12<sup>th</sup> Five year plan project on Indian Highway Capacity Manual (Indo HCM)
10. 12<sup>th</sup> Five year plan project on Sustainable Transportation System (SUSTRANS)
11. Development of GIS based National Highway Information System sponsored by MoSRTTH
12. Development of Data Center for National Highways using GIS, an Inhouse project.
13. Baseline Road/Traffic Data for Upgradation/Rehabilitation of Identified Uttar Pradesh State Roads under Phase – II sponsored by UP PWD.
14. Traffic counts for Roads of UP State’s Core Road Network sponsored by Word Bank Projects (Roads), UP PWD, Lucknow
15. Development of Critical Infrastructure Information System for Bridges and Roads- Case study of Ghaziabad District(Inter Div. with Bridge Div.) sponsored by DST
16. Feasibility study for the construction of elevated road on New Rohtak Road from Rani Jhansi Road to Zakhira Flyover sponsored by Municipal Corporation, Delhi
17. Road planning approaches for location of urban amenities in rural areas – a case Laksar Block in Uttaranchal state, a DST sponsored project –2005-06. (Co-Principle Investigator)
18. Development of GIS based National Highway Information System sponsored by Ministry of Shipping, Road Transport and Highways
19. Fuel Losses at intersections of Delhi due to Idling of Vehicles, Sponsored by Ministry of Petroleum, 2004
20. National data center for managing data for planning, design and management of roads sponsored by CSIR
21. Maintenance and Rehabilitation of Highway Project, sponsored by PWD, NCT Delhi, 2002
22. Urban Road Traffic and Air Pollution, sponsored by Ministry of Petroleum and Natural Gas, Govt. of India, November, 2001-June 2002
23. Pradhan Mantri Gram Sadak Yojana, sponsored by Ministry of Rural Development (MORD), Govt. of India, 2000
24. Project preparation for Rural Roads in 37 Districts of Bihar, funded by Govt. of Bihar, 2000-Contd.
25. Project preparation for Rural Roads in 18 Districts of Jharkhand, funded by Govt. of Jharkhand, 2000 - Contd.
26. Economic Analysis of Rural Roads Component under ADP Rajasthan, sponsored by PWD Rajasthan, 2000-2001
27. Preparation of Master plan for Rural Roads in 19 Districts of Andhra Pradesh, sponsored by Govt. of Andhra Pradesh (Funded by World Bank), 1999-2000.
28. Project preparation of Master Plan for Rural Roads for 3 pilot Districts in Andhra Pradesh, sponsored by Govt. of Andhra Pradesh (Funded by World Bank), 1997-1999.
29. Pre-feasibility Study of Delhi-Jaipur Section of NH-8 (Phase II), sponsored by NHAI, 1996-1997.

### In-House Projects:

1. Development of CRRI Training software activities, expenses and transactions, send invoice and sync data, 2019
2. Preparation of Master Plan for Rural Roads for Nagaon District of Assam, 2000
3. Database development in GIS for project planning for Allahabad - Aurangabad section of NH-2, 2001
4. Failure Potential Evaluation of Narayanbagar Landslide and Adjoining Areas to Assess the Socio-Economic Problems due to the Landslide – A GIS Approach, 2002
5. Highway Information System, 2002
6. Development of for Rural Road Planning using GIS, 2002
7. Development of Data Center for National Highways using GIS, 2000
8. Effect of Bypass Road on Traffic and Habitants along Highway, July 2011

### AWARDS/DISTINCTIONS:

1. Received Best Paper Award as certificate and cash prize for publication of paper in Journal of Rock Mechanics and Tunneling Technology in 2000
2. Received Honour as a cash prize for publication of Hindi Paper in Monthly Journal of Kurukshetra in 2000
3. Received best paper award as certificate and cash prize in Hindi week for publication of Hindi paper in Monthly Journal of Kurukshetra in 2000
4. Received **award** as cash prize in Dr. Homi bhaba Science Article Writing Competition for publication of Hindi paper in “Vaigyanik” Hindi Magazine in 2004.
5. Won many prizes for preparing leaflets, posters, poem recitation etc. at CRRI

### DEPUTATION/TRAINING:

- Training on VICCIM
- Workshop on TransCAD, CRRI, 19-21 January 2000.
- Short course on Optimization and Optimal Design, Civil Engineering Department, IIT Kanpur, 17-20 April 2000.
- Workshop on TransCAD, CRRI, 27-29 June 2000.
- Training on Leap Office in CRRI on 3<sup>rd</sup> June, 2002
- Internal Audit Training at CRRI on 8<sup>th</sup> and 9<sup>th</sup> May, 2003
- Product Training on “Arc GIS” at CRRI on 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup> May, 2003
- ISO 9001:2000 training at CRRI on 20<sup>th</sup> May, 2003

### CONFERENCE/SEMINAR/SYMPOSIA/TRAINING ORGANISED:

- Training on Computer Application and Computer Aided Design for Pavement and Traffic, PWD Engineers, CRRI, 17-18 July, 2000
- Workshop on Rural Road Connectivity-Technical Aspects, CRRI, New Delhi, 4-5 September 2000.
- Workshop on Development of Database for Master Planning of Rural Roads, Guwahati, 23-24 October 2000.
- Workshop on Project Preparation for Rural Roads, Patna, 20-23 January 2001.
- Workshop on Pradhan Mantri Gram Sadak Yojana, CRRI, January 2001.

- Training organized on “GIS Applications in Road and Transport Projects”, CRRI, July 15-19, 2002
- Training organized on “Contract Management of Highway Projects”, CRRI, 21-23, August, 2002.
- Training organized on “Techno-Economic Evaluation for Highway Projects”, CRRI, 21-23, October, 2002.
- Round Table Discussion on Respirable Particulate Matter –Measurement and Monitoring, 13<sup>th</sup> March 2003, CRRI, New Delhi
- Workshop on “GIS Applications for PMGSY” schedule for 20-21 May, 2003, being sponsored by NRRDA
- Training organized on “GIS Applications in Road and Transport Projects”, CRRI, May, 5-9 2003
- Training programme and Hands on Training organized on “GIS Applications in the preparation of DRRP and Core Network for REO, Jharkhand”, 20-24, Sept. 04.
- Lectures delivered by RDP staff in training programme on “Planning, Design, Construction and Maintenance of Rural Roads for Engineers of RES, Lucknow”, 13-17 Sept., 04
- Training programme organized on “Techno economic evaluation for Highway projects”, 11-13 August 2004.
- workshop on “International Vehicle Emission Model” on 26<sup>th</sup> to 28<sup>th</sup> August, 2004 at CRRI
- Organized and delivered Lectures in “Training programme on Contract Management, Transport planning and policies, environment and road safety audit for road projects for AE’s JE’s and SE’s of RES, Lucknow”, 1-11-04 to 5-11-04

#### **CONFERENCE/SEMINAR/SYMPOSIA ATTENDED:**

- Map India 2000, 3<sup>rd</sup> Annual International Conference and Exhibition on GIS/GPS/RS, Taj Palace Hotel, New Delhi, organized by CSDMS Center for spatial database management and solutions, 10-11 April 2000.
- Hindi Seminar on Prakarti, Paryavaran aivam Vikas, CRRI, 29 August 2000.
- Workshop on Rural Road Connectivity-Technical Aspects, 4-5 September 2000.
- Indian Road Congress, Calcutta, 2-9 November 2000.
- Workshop on Pradhan Mantri Gram Sadak Yojana, CRRI, 12-13 January 2001
- Seminar on empowerment of Role of CSIR women scientists, IMT Chandigarh, November 9, 2001.
- Seminar on “Remote Sensing based Applications” organized by HOPE Technologies Ltd., PHD house, Siri Fort Road, Delhi, 19<sup>th</sup> September 2002.
- National symposium on Diamond Jubilee celebration on “Science and Technology for Societal Protection – Need for a Paradigm Shift”, 13-14 December, 2002
- Annual Congress India’s Urban Transport-Vision 2050, India Habitat Center, New Delhi, 10-11, December, 2002
- Round Table Discussion on Respirable Particulate Matter –Measurement and Monitoring, 13<sup>th</sup> March 2003, CRRI, New Delhi
- Workshop on “GIS Applications for PMGSY” schedule for 20-21 May, 2003, being sponsored by NRRDA
- Sixth ESRI India User Conference, 23-24 April, 2003, New Delhi
- Autodesk® Solution Day at Hotel Hyyatt, New Delhi on 4<sup>th</sup> June, 2003
- Hindi Seminar on Urban Traffic and Pollution, 19-20 September 2003, CRRI, New Delhi
- Map India 2004, 28-30 January, 2004

- 2<sup>nd</sup> Annual Congress on Integrated Urban Transport System organized by Institute of Urban Transport, 5-6 February, 2004
- Attended launch of Arc GIS 9.0 organised by ESRI NIIT Ltd. At India Habitat Center, New Delhi, 6<sup>th</sup> July 2004
- Indian Roads Congress, January 8-11, 2005, Bangalore

#### **INVITED LECTURE/KEYNOTE LECTURE DELIVERED:**

- Lecture and practical on Map Info to PWD Engineers in training on Computer Application and Computer Aided Design for Pavement and Traffic, at CRRI in 17-18 July, 2000
- Lecture delivered on MapInfo Software in Workshop on Development of Database for Master Planning of Rural Roads, Guwahati, 23-24 October 2000.
- Training rendered to PWD Engineers on Basemap Preparation in Workshop on Project Preparation for Rural Roads, Patna, 20-23 January 2001.
- A Lecture in Hindi on “Sadak Yatayat aur Paryavaran Pradushan” organized by Rashtrabhasha at CRRI on 5<sup>th</sup> September 2001.
- Prepared manual and rendered training on Demo cum training of Power Point, CRRI, 20-21 February, 2002.
- Lectures given on “Demonstration of digital map preparation and analysis” and “Map Info” in Training on GIS Applications in Road and Transport Projects at CRRI, July 15-19, 2002
- Training rendered on “Contract Management of Highway Projects”, and lecture delivered on “Procurement, Planning and Issues”, 21-23, August, 2002.
- Training rendered on “Techno-Economic Evaluation for Highway Projects”, and lecture delivered on “Database Preparation for Evaluation of National Highway Projects”, 21-23, October, 2002.
- Lectures given on “Demonstration of digital map preparation and analysis” and “Map Info” in Training on GIS Applications in Road and Transport Projects at CRRI, May 5-9, 2003
- Delivered lectures in training programme on “GIS Applications in the preparation of DRRP and Core Network for REO, Jharkhand”, 20-24, Sept. 04.
- Lectures delivered in training programme on “Planning, Design, Construction and Maintenance of Rural Roads for Engineers of RES, Lucknow”, 13-17 Sept., 04
- Lectures delivered in Training programme on “Techno economic evaluation for Highway projects”, 11-13 August 2004.
- Delivered lectures in “Training programme on Contract Management, Transport planning and policies, environment and road safety audit for road projects for AE’s JE’s and SE’s of RES, Lucknow”, 1-11-04 to 5-11-04
- Rendered training on “Map Info software” to NTPC officials twice in PMI cell, New Delhi in 2006.

## RESEARCH GUIDENCE/SUPERVISION:

Guided many students of MSc, MCA and B.Tech

Name of the Student & Degree	University	Title of Dissertation/ Thesis	Year
Ms. Neha Jain	Roorkee College of Engineering, Roorkee	NCRjobs.com	March, 2008
Sh. Vinay Chaurasiya	I.E.S. I.P.S Academy, Indore	Assessment of Traffic Monitoring Techniques for National Highways	July, 2008
Sh. Akshay Jain	ABES Institute of Technology	Application of Matrix Calculator	July, 2011
Sh. Ravi Kumar	Guru Ghasidas Vishwavidyalaya, Bilaspur	Road Safety on Bypass Road: A Case Study	July 2012
Sh. Rajneesh Kumar	Guru Ghasidas Vishwavidyalaya, Bilaspur	Accident Analysis: A Case Study of Khatauli Bypass	July 2012
Sh. Ani K. S.	Calicut University	Analysis of Saturation Flow at Signalised Intersection	July 2014
Sh. Shubham Sehgal	Punjab University, Chandigarh	Saturation Flow of Heterogeneous Traffic at Signalized Intersection	May 2015
Sh. Siddarth Jain	Punjab University	Critical Gap Estimation of Roundabout under Mixed Traffic Condition	May 2015
Ms. Jasmeet	Punjab University	To study the need of feeder transport services at Public transport terminals	May 2015
Ms. Simran Kaur	Punjab University	Evaluation of parking facilities at public transport terminal	May 2015
Ms. Rachna Sahoo	NIT Calicut, Kerala	Development of feeder sustainability index at Metro stations	July 2015
Sh. Prashant Nisarta	SVNIT Surat, Gujarat	Transport sustainability index for feeder System and parking facilities at metro Stations	July 2015
Ms. Aishwarya Ragi	NIT Calicut	Critical Gap of Roundabout under Mixed Traffic Flows	July 2016
Sh. Krishan P Savaliya	The Maharaja Sayajirao University of Baroda, Vadodara	Pedestrian Accessibility Measurement around Public Transport Stations-A Case Study of Delhi Metro	March 2017



## OTHER PROFESSIONAL ACTIVITIES:

- Reviewed a paper entitled “Long range forecast of southwest monsoon rainfall over India using ANN” in Quarterly Journal of Meteorology, Hydrology and Geophysics, India Metrological Department, Mausam Bhawan, New Delhi, November, 2006.
- Preparation of software for rural road network planning using TransCAD GIS software.
- Familiarity with GIS softwares likes, MapInfo, TransCAD and Arc GIS.
- Knowledge of FORTRAN, C, AutoCAD.
- Geographical Information Systems (GIS), their applications, integration and uses into today's world.

## PROFICIENCY IN LANGUAGES:

Speaking, Reading and Writing – Excellent in Hindi (Mother tongue) and English

## RESEARCH PUBLICATIONS:

### Journals

1. Pankaj Gupta, Neelam Jain, R. Anabalagan and P. K. Sikdar, “Landslide Hazard Evaluation and Geo-Statistical Studies in Garhwal Himalaya, India”, Journal of Rock Mechanics and Tunneling Technology, Vol. 6, No. 1, May, 2000 **(AWARDED)** pp 41-60.
2. P. K. Jain, P. K. Sikdar and Neelam Jain, “Gramin Shetro Me Sarkoe Ki Sampurna Sambadhta, Monthly Journal of Kurukshetra (Hindi), Nirman Bhawan, New Delhi, October, 2000 **(AWARDED)** pp 37-42.
3. P. K. Jain and Neelam Jain, “Fuel Economy on Rigid Vs Flexible Pavement”, Indian Highways, Indian Roads Congress Vol. 31, No. 9, September 2003, pp. 5-23.
4. Neelam Jain, P. K. Jain, B. Kanagadurai and P. K. Nanda, “Gavo main sadako ki samporna sambadhta”, Journal of Scientific and Industrial Research (Hindi), Vol. 11, No.2, December 2003, pp. 149-155. **(AWARDED)**
5. Neelam Jain, B. K. Durai, P. K. Nanda, “Sadak Suchana Tantra Ke Vikas Hetu Gyan Prabandhan Sidhant”, Vigyan Garima Sindhu, Govt. of India, New Delhi, 2005.
6. Neelam Jain, Pankaj Gupta, P. K. Jain, P. K. Nanda and Anang Pal, “Socio-Economic Impact of PMGSY on Rural Roads”, Sadak Darpan, CRRI, New Delhi, 2005
7. Neelam Jain, P. K. Jain, B. K. Durai, A. Pal and P. K. Nanda, “Apangta-Sharirik roop se viklang vayakti ke liye ak bagha”, Quarterly Rajbhasa Bharti Patrika, Govt. of India, New Delhi, 2005.
8. Neelam Jain and P. K. Kanchan, “Axle Loading Pattern on UP State Roads”, IRC, Highway Research Journal, Vol.2, No.1, Jan-June 2009, pp 83-92.



9. P. K. Kanchan, Neelam J Gupta and M. N. Nagbhushana, "Vehicle/Axle Overloading is a Devil – Not Taming it would be Perilous", SAARC Journal of Transport, Vol. XI, No. 5, May 2010, pp 18-21.
10. Neelam Jain, B. K. Durai, P. K. Jain and P. K. Nanda, "Sadak Suchna Tantr ke Vikas Hetu Gyan Prabandhan Sidhant", Sadak Darpan, No. 7, 2010pp 18-23, 2010
11. Neelam J Gupta, Mukti Advani, B. Kanagadurai and S Velmurugan, "Bypass Impact Analysis-A Case Study", International Research Journal of Sustainable Science and Engineering, ISSN 2347-6176, Monthly Peered Reviewed Online Journal, Vol 2, Issue 2, February 2014
12. Neelam J Gupta, Mukti Advani, B. Kanagadurai and S Velmurugan, "Safety Impacts on Traffic and Habitants – A Case Study of Khatauli Bypass", Indian Journal of Transport Management- IJTM, ISSN 0970-4736, quarterly Journal, Central Institute of Road Transport (CIRT), Pune, India and Association of State Road Transport Undertakings (ASRTU), New Delhi, Jan-Mar 2014, pp 312-324.
13. Neelam J Gupta, Subhash Chand, E Madhu, "Review of Feeder system for public transport towards Sustainability", Indian Journal of Transport Management- IJTM, ISSN 0970-4736, quarterly Journal, Central Institute of Road Transport (CIRT), Pune, India and Association of State Road Transport Undertakings (ASRTU), New Delhi, volume 38, number 2, April – June 2014, pp 113-123
14. Mukti Advani, Neelam J. Gupta, Purnima Parida and B.K.Durai, "Analysis of Interrelationship between Transport System, Safety and City Sizes Distribution – A case study of India", Journal of Institute of Town Planners, ITPI India Journal 12x4, October-December 2015, pp 51-62.
15. Neelam J Gupta, S. Velmurugan and Subhash Chand, "Capacity Estimation of Signalized Intersection for Heterogeneous Traffic", Transportation Research Procedia by Elsevier, 2016.
16. Neelam J Gupta, Subhash Chand, E Madhu and Mukti Advani, "Feeder Connectivity for Sustainable Public Transportation Systems", Indian Journal of Transport Management- IJTM, ISSN 0970-4736, quarterly Journal, Central Institute of Road Transport (CIRT), Pune, India and Association of State Road Transport Undertakings (ASRTU), New Delhi, April-June 2016, PP 217-226.
17. Mukti Advani, Neelam J Gupta, Purnima Parida and B. Kanagadurai, "Bharat ki parivahan vyavastha, suraksha aur sheriakar ka seh sambandh", Bharatiya Vaigyanik Evam Audyogik Anusandhan Patrika (BVAAP), NISCAIR, New Delhi, Vol 24, Dec 2016, pp 145-152.
18. Neelam J Gupta, Mukti Advani, Subhash Chand, S. Velmurugan and Satish Chandra, "Estimating Critical Gap of Roundabouts Based on RMS Model", 281 - Transport, Safety, Highway, and Public Transport in the Developing Countries in Hall E-281 on 01/09/2017 (10:15 AM - 12:00 PM), TRB 96th Annual Meeting 2017, 8-12 January 2017, Washington DC.

19. Neelam J Gupta, Rachana Sahoo, Prashant G Nisarta, Subhash Chand, Mukti Advani and E. Madhu, "Feeder Sustainability Index at Metro Stations - A Case Study In Delhi", Indian Journal of Transport Management- IJTM, ISSN 0970-4736, quarterly Journal, Central Institute of Road Transport (CIRT), Pune, India and Association of State Road Transport Undertakings (ASRTU), New Delhi, Oct-Dec 2017.
20. Subhash Chand, Neelam J Gupta and S. Velmurugan, "Development of Saturation Flow Model at Signalized Intersection for Heterogeneous Traffic", Transportation Research Procedia by Elsevier, ISSN: 2352-1465, Vol 25, June 2017, Pages 1665–1674. DOI 10.1016/j.trpro.2017.05.216
21. Pankaj Gupta, Neelam J Gupta & A Banerjee, "Spatio-temporal Study on Changing Trend of Land Use and Land Cover Pattern in Munnar area, Idukki District, Western Ghats, India", Indian Journal of Geo-Marine Sciences, NISCAIR, Vol. 49 (06), June 2020, pp.1055-1067
22. Mukti Advani, Neelam J Gupta, S. Velmurugan, E. Madhu and Satish Chandra (2020) 'Defining and Analyzing Forceful Gap Behavior at Unsignalized Intersection', Transportation Research Board TRR: Journal of the Transportation Research Board, June 2020. <https://doi.org/10.1177/0361198120925258>
23. Pankaj Gupta, Neelam J Gupta & Aaqib, "Role of Geological Structure and Weathering in Amparav Landslide- A Case Study of Talus Failure", IRC Highways, Oct 2022, Vol 50, No. 10, pp 26-33

### Conferences/ Seminar

24. Neelam Jain and R. C. Mittal, "An iterative conformal mapping for simply connected domains", 2<sup>nd</sup> annual conference of Indian Society of Industrial & Applied maths, Department of Mathematics, Anna University, Madras, 23-25 February 1994.
25. Neelam Jain and R. C. Mittal, "Design of Symmetric & asymmetric joukowski airfoil specified chord and maximum thickness, conference on Mathematics & its Applications in Engineering & Industry, Department of Mathematics, University of Roorkee, Roorkee, 16-18 December 1996.
26. P. K. Jain, Purnima Pareda and Neelam Jain, "Audhyogiki ka paryavaran par dushprabhav", Hindi Seminar on Prakarti, Paryavaran aivam Vikas, 29 August 2000.
27. Neelam Jain, Ashok Kumar and P. K. Jain, "Scientific Planning for Rural Roads of Andhra Pradesh", International Seminar on Accessibility and Rural Development Planning, Pilani, 25-26 November 2000.
28. Neelam Jain, B. K. Durai and P. K. Jain, "Rural Connectivity Vision through Master Planning Approach", National Seminar on National Connectivity Vision: Surface Transportation & Communication, Hyderabad, 19-20 January 2001.

29. P. K. Sikdar, B. K. Durai, P. K. Jain and Neelam Jain, Towards the Development of Road Policy for Uttaranchal, All India Seminar on Infrastructural Development in Uttaranchal – Problems & Prospects, IN-D-U-2001, Institution of Engineers, Roorkee, 11-13 October 2001, pp III-21 to III-33.
30. B. K. Durai, Neelam Jain, P. K. Jain, I. P. Rao, "Road Development in North East Region", 33<sup>rd</sup> Regional Science Conference, Annual Conference of Regional Science Association-India, NEHU, Shillong, October 19-20, 2001
31. I. P. Rao, B. K. Durai, Neelam Jain and P. K. Jain, "GIS based Village Information Management System for Rural Road Planning – A case study of Rupouli block", International Conference on Information Technology Built Environment, Dept. of Architecture and Regional Planning, IIT Kharagpur, January 15-18, 2002.
32. B. K. Durai, Neelam Jain, P. K. Jain and I. P. Rao, "Level of Road Development Variation – A Factor Analysis Approach, International Conference on Environment, Locational Decisions and Regional Planning, North-Eastern Hill University, Shillong, 5-9, March, 2002.
33. P. K. Jain, B. K. Durai, Neelam Jain, "Planning And Prioritisation Methods for Rural Road in Jharkhand", Seminar on Development of Road Infrastructure in Jharkhand, Institution of Engineers, Dhanbad local center, Dhanbad, 29-30, June, 2002
34. P. K. Sikdar, P. K. Jain, Neelam Jain, "Trends of Road Transport in India", National Seminar on "Road Transportation in India-Emerging Trends and Technologies, ROTRAN 2002, IIT Kharagpur, September 12-13, 2002.
35. Pankaj Gupta, Neelam Jain and Sudhir Mathur, "GPS Technology and its Applications", The Asian GPS Conference, Indian International Center, New Delhi, 23-24, October, 2002, pp. 17-20.
36. Pankaj Gupta, Neelam Jain and Sudhir Mathur, " Application of GIS in the study of Narayanbagar Landslide-A Case Study", Map India 2003, 28-31 January, 2003
37. I. P. Rao, B. K. Durai, P. K. Jain and Neelam Jain, "Information System for Rural Road Network Planning- A Case Study", Map India 2003, 28-31 January, 2003
38. Neelam Jain, P. K. Jain, B. K. Durai and I. P. Rao, "Social Impact of Information Technology in India", National seminar on Role of IT in present senario of globalization, RIT 2003, Central Mining Research Institue, Dhanbad, Jharkhand, 1-2, February, 2003.
39. P. K. Nanda, Neelam Jain, Arpana, P. K. Jain and B. K. Durai, "Environmental Impact Assessment of Urban Transport" in Hindi Seminar on "Urban Road and Pollution", CRRI, New Delhi, 19-20 September, 2003, pp 62-67.
40. Neelam Jain, P. K. Nanda, B. K. Durai and I Prasada Rao, "Geographical Information System for Pavement Management System", Map Asia, Malaysia, 2003

41. Pankaj Gupta, Neelam Jain, Kishor Kumar and P. K. Sikdar, "Geographical Information System for Transportation Planning", Map Asia, Malaysia, 2003
42. P. K. Jain, Neelam Jain, A. M. Rao, Arpana and P. K. Nanda, "Core Network Planning – A Case Study", National Seminar on Integrated Development of Rural and Arterial Road Network for Socio-Economic Growth", IRC, 15-16 December, 2003, pp. I 35-42.
43. A. M. Rao, P. K. Jain, Neelam Jain and P. K. Nanda, "Software Development for Database Preparation for Rural Roads – A Case Study", National Seminar on Integrated Development of Rural and Arterial Road Network for Socio-Economic Growth", IRC, 1-2 November, 2003.
44. Neelam Jain, B. K. Durai, P. K. Jain and P. K. Sikdar, "Policies for Integrated Road and Ropeways in Hilly Regions – A Case Study on Uttaranchal State", Structural and Road Transportation Engineering (START), IIT Kharagpur, 3<sup>rd</sup> to 5<sup>th</sup> January, 2005
45. Neelam Jain, P.K. Jain, B. K. Durai, Arpana and P. K. Nanda, "Highway Patrol System – A Case Study of Haryana", International Workshop on ICT Applications for Sustainable Mobility, India Habitat Centre, Lodhi Road, New Delhi, India, January 24, 2005
46. Neelam Jain, P. K. Jain, B. K. Durai, P. K. Nanda, "GIS based database for National Highway Network in India", GISPLANET 2005, Estoril, Portugal, 30<sup>th</sup> May-2<sup>nd</sup> June, 2005
47. Neelam Jain, P. K. Jain, B. K. Durai, P. K. Nanda, "Accessibility based Approach for Planning of Rural Roads– A Case Study of Godda District", 15<sup>th</sup> International Road Federation Conference, Bangkok, 16-20 June, 2005
48. P. K. Jain and Neelam Jain, "Fuel Losses at Signalized Intersection", Kuwait first Remote Sensing Conference, Kuwait, 26-28 September, 2005.
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## **CERTIFICATION:**

I, undersigned certify that the best of my knowledge and belief, this biodata correctly describes myself, my qualification and experience

**(DR. NEELAM JAIN GUPTA)**