

Detailed BIO-DATA
of

As on October 10, 2018

DR. PRAVEEN KUMAR

B.E.(Civil), M.E. (Transportation Engg.)

Ph.D. (Engg.), FIE, LMIRC, MIGS

Professor (HAG SCALE)

Transportation Engg. Group

Department of Civil Engineering

Indian Institute of Technology, Roorkee

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DATE OF BIRTH

November 10, 1964

EDUCATIONAL QUALIFICATIONS

- (i) B.E. (Civil Engg.), MNIT, Jaipur, 1987 (MREC)
- (ii) M.E. (Transportation Engg.), IIT Roorkee, 1990 (UOR)
- (iii) Ph.D. (Transportation Engg.) IIT, Roorkee 1997 (UOR)

FIELDS OF SPECIALIZATION

- (i) Rural Road Network Planning
- (ii) Rural Roads
- (iii) Industrial Waste Utilization in Road Works
- (iv) Pavement Performance Studies
- (v) Modified Bituminous Binders
- (vi) Intelligent Transport System
- (vii) Urban Road Planning

NATIONALITY

Indian

EXPERIENCE

- (i) Research (1992-1998) as Scientist for about six years at Central Road Research Institute, New Delhi, a National Laboratory under CSIR
- (ii) Assistant Professor in Transportation Engineering Section of Civil Engineering Department at University of Roorkee, (IIT Roorkee), May 1998-Feb 2004.
- (iii) Associate Professor in Transportation Engineering Group of Civil Engineering Department at Indian Institute of Technology, Roorkee, Feb 2004- Dec 2007
- (iv) Professor in Transportation Engineering Group of Civil Engineering Department at Indian Institute of Technology, Roorkee, Dec 2007-Dec 2015
- (v) Associate Dean, Faculty Affairs, IIT Roorkee, Jan 2010 - Dec 2012
- (vi) Coordinator, Transportation Engineering Group, Civil Engineering Department, IIT Roorkee, July 2010 –June 2012 and December 2015 onwards

- (vii) Chairman, Library Advisory Committee, M G Central Library, IITR, Jan 2013 – March 2016.
- (viii) **Professor in HAG Scale** in Transportation Engineering Group of Civil Engineering Department at Indian Institute of Technology, Roorkee, Jan 1, 2016 onwards.
- (ix) Director, National Institute of Technology, Delhi, Oct 10, 2018 onwards

COUNTRIES VISITED

United States (Washington), Australia (Adelaide), China (Shanghai), and Nepal (Kathmandu)

PRESTIGIOUS SPONSORED & CONSULTANCY PROJECTS COMPLETED

1. Planning of Rural Roads in Jaipur District, sponsored by Public Works Department, Rajasthan, 1992-1993
2. Use of Granulated Blast Furnace Slag in Road Works, sponsored by Visakhapatnam Steel Plant, Visakhapatnam, 1993-94
3. Utilisation of Steel Industry Waste in Road Construction, sponsored by RDCIS, (SAIL), Ranchi, 1993-96
4. Planning of Rural Roads in Ghaizabad District, sponsored by Public Works Department, Uttar Pradesh, 1995-98
5. Preparation of Master Plan for Rural Roads of Adilabad, Karimnagar and Warangal Districts of Andhra Pradesh sponsored by World Bank, 1997-98
6. Utilization of Steel plant by-products in Road Works, sponsored by SAIL, Rourkela, 1994-98
7. Use of Fly-Ash in Embankment of Indo-Japan Friendship Bridge (New Nizamudin Bridge), sponsored by PWD, Delhi, 1997-1998.
8. Development of an Approach for Intelligent Transport System for Indian Environment sponsored by AICTE 2000-2003.
9. Feasibility Study of Transport Nagar at Haridwar.
10. Feasibility Study of Transport Nagar at Rishikesh
11. Scrutiny of PMGSY Proposals in Uttaranchal and Uttar Pradesh, 2001 onwards as Coordinator, State Technical Agency.
12. Guidance to PIUs of Uttar Pradesh, Bihar, Jharkhand and West Bengal for construction of Rural Roads under Pradhan Mantri Gram Sadak Yojna (PMGSY) as Coordinator, Principal Technical Agency
13. Development of Design Procedure for Reinforced Flexible Pavement, MHRD, 2003-2006.
14. Design and Monitoring of Ardh Kumabh Mela Roads of Haridwar District, 2003-2004.
15. Rural Roads Pavement Performance Studies for PMGSY, sponsored by NRRDA, MoRd, Govt of India, Rs 20 Lakhs
16. Development of Specifications of WMA for Indian Conditions, sponsored by DST, Rs 13 Lakhs, 2015-2017

ORGANISATIONAL CAPABILITES

1. Session Coordinator, International Conference on Roads and Road Transport Problems (ICORT-95), Dec. 11-14, 1995.
2. Session Coordinator, National Get-Together on Road Research and its Utilization, organised by CRRI, New Delhi, Jan. 3-4, 1997.
3. Convenor, Session Coordination Committee, Indo-US Workshop on Ground Improvement using Geosynthetics, organised by CRRI in collaboration with University of New Orleans, Louisiana (USA), March 26-28, 1997.
4. Member, Finance Committee, PIARC World Conference, organised by CRRI and PIARC-G2 Group, New Delhi.
5. Member, Hindi Samiti, Central Road Research Institute, New Delhi for about 4 years.
6. Secretary, SAC, Transportation Engg. Section, Deptt of Civil Engg., University of Roorkee, Roorkee.(1998-2004).
7. Member, Rural Roads Committee, Indian Roads Congress, New Delhi. (1999 onwards)
8. O.C.Central Facilities at Civil Engineering Department, UOR 1998-2002.
9. O.C.Purchase at Civil Engineering Department, UOR 2000-2002.
10. Staff Advisor, Yoga, IIT Roorkee (UOR), 1999-2009.
11. Member, UOR/IITR Convocation Function related Committees, 1999, 2000, 2001, 2002, 2003, 2016
12. Convener, National Seminar on “Reforms in Technical Education” organised at University of Roorkee, Roorkee, March 26-27, 2001.
13. Warden, Ravindra Bhawan (IV Year Students Hostel) 2001 -2004
14. Session Coordinator, 2nd International Conference on Fluid Mechanics and Fluid Power, Roorkee Dec12-14, 2002.
15. Co-convener, Session Coordination Committee, International Geotechnical Conference, IIT Roorkee, Dec17-19, 2003.
16. Member, Hindi Implementation Committee, IIT Roorkee, 2001-2003.
17. Member, Rural Road Planning Committee of Pradhan Mantri Gram Sadak Yojna (PMGSY), Delhi.
- 18. Coordinator, State Technical Agency, (IITR) of PMGSY for Uttar Pradesh and Uttarakhand 2001 onwards**
- 19. Coordinator, Principal Technical Agency, (IITR) of PMGSY for Uttar Pradesh, Uttarakhand, 2002 onwards**
- 20. Member, Six Member National Executive Committee of Pradhan Mantri Gram Sadak Yojna (PMGSY), 2003 onwards.**
21. Member, Research Council, Pradhan Mantri Gram Sadak Yojna at national level, 2003 onwards
22. Staff Advisor, Cognizance (Tech Fest)-2004, 2005, Civil Engg Deptt.
23. Member, State Level Standing Committee for Pradhan Mantri Gram Sadak Yojna, Uttaranchal, 2004 onwards
24. Manager Adarsh Bal Niketan Senior Secondry School, IITR, 2006 -2012.
25. Nominated Member, DPC, Humanities Deptt., IITR, 2009 -2012

26. Secretary, Department Professorial Committee (DPC) of Civil Engg Deptt, IITR, 2008-2010.
- 27. Associate Dean, Faculty Affairs, IITR, Jan 2010 – Dec 2012**
- 28. Coordinator, Transportation Engineering Group, Civil Engineering Department, IIT Roorkee, July 2010-2012, December 2015 to July 2018.**
29. President, Saraswati Mandir Samiti, IIT Roorkee, 2012-2014
30. Chairman, Library Advisory Committee, M G Central Library, IITR, Jan 2013 - 2016
31. Chairman, 59th ILA International Conference on Managing Libraries in the Changing Information World: From Surviving to Thriving, Feb 22-24, 2014.
32. National Coordinator, Subject Expert Group on Rural Infrastructure under Unnat Bharat Abhiyan of MHRD, May 2018 onwards

BOOKS, CODES AND OTHER PUBLICATIONS

- (i) A Chapter on Rural Road Network Planning Technology developed by me in “Directory of Rural Technologies Part IV, National Institute of Rural Development, Rajendra Nagar, Hyderabad-500 030
- (ii) A Chapter in Rural Roads Manual, IRC SP-20, 2002
- (iii) A Chapter in Quality Assurance Handbook for Rural Roads, NRRDA, Ministry of Rural Development, Govt. of India, May 2007.
- (iv) About 400 Technical Research Papers in Indian and International Journals & Conferences.**
- (v) Editor of NEWS LETTER of Central Road Research Institute, New Delhi for about five years.
- (vi) Editor of SADAK DARPAN, a Research Journal of Central Road Research Institute, New Delhi for about three years.
- (vii) Member of Editorial Board, Hindi version of "DOCUMENT ON RURAL ROAD DEVELOPMENT IN INDIA Vol. I & II published by Central Road Research Institute, New Delhi, 1994.
- (viii) Editor, Samvaad, IIT Roorkee News Bulletin (2002 -2012)
- (ix) Editor, Proceedings of National Seminar on “Reforms in Technical Education” March 26-27, 2001
- (x) Member, Editorial Board, Manthan, IIT Roorkee Research Publication (2003-2006)
- (xi) Invited Editor, Open Transportation Journal, (International Web Based Transportation Journal)
- (xii) Member of Drafting Committee for IRC Code on “Guidelines on Tree Plantation along Rural Roads”, IRC: SP:1-3-2014, Indian Roads Congress.
- (xiii) Member, Peer Review Committee for Revision of Quality Assurance Handbook for Rural Roads, NRRDA, Ministry of Rural Development, Govt. of India, Dec 2016.
- (xiv) A book on Rural Roads for PG Students in writing stage.

RESEARCH GUIDANCE

Ph.D. – Fourteen Awarded, Six in Progress
M. E./M.Tech.- Ninety, Three in progress
M.Tech. Project-42
B.Tech. Project- 9

PRODUCTION OF TV/ VIDEO FILM

Worked as Script Writer and Technical Consultant for the film on Rural Transportation, produced by Technical Teachers Training Institute Chandigarh.

AWARDS

1. CSIR National Research Prize for 1995-96.
2. Young Teachers' Career Award of AICTE in April 2000.
3. Best Paper on Road Research Award of Indian Roads Congress (Bihar PWD Medal) for the year 1999-2000.
4. Pt Jawahar Lal Nehru Centenary Award of Indian Roads Congress for year 2000.
5. The Brij Mohan Lal Memorial Award-2001 and 2008 of The Institution of Engineers (India) for best paper, given in 2002 and 2009
6. Outstanding Teacher Award (Best Teacher)–2003, 2007 and 2011 of Indian Institute of Technology, Roorkee
7. Best Paper Award of Indian Society for Construction Materials and Structures (ISCMS) for 2002.
8. Star Performer for 2003-04, 2004-05 and 2005-06 by Indian Institute of Technology, Roorkee.
9. Utkrast Shikshak Samman by Bharat Vikas Parishad, Uttarakhand
10. Commendation Certificate for Outstanding Work by Indian Roads Congress, 2006.
11. BOLT (Best Teacher) Award by Air India and Dainik Jagran, 2006, 2007
12. Shiksha Ratan Puraskar by India International Friendship Society , 2007
13. Best paper of the session in National Seminar on “Role of Infrastructure for Sustainable Development”, organized by The Institution of Engineers Roorkee Local Centre, October 12-14, 2012.
14. The Institution prize of The Institution of Engineers (India) for best paper, given in 2013.
15. Best Paper on Road Research Award of Indian Roads Congress (Bihar PWD Medal) on Paper “Effect of Modulus of Subgrade Reaction on Thickness of Rigid Pavement” for the year 2016-17.
16. Excellence Award-2017 on 50th Engineers Day by the Institution of Engineers, Roorkee

HONOURS

1. Member, Six Member National Executive Committee of Pradhan Mantri Gram Sadak Yojna (PMGSY), 2003 onwards.
2. Member, Board of Studies, HBTI, Kanpur
3. Member, Board of Studies, NIT Uttarakhand

4. Member, Rural Roads Committee H-5, Indian Roads Congress, New Delhi. (1999 -2016)
5. Member, Research Council, Pradhan Mantri Gram Sadak Yojna at national level, 2003 onwards
6. Member, State Level Standing Committee for Pradhan Mantri Gram Sadak Yojna, Uttaranchal, 2004 onwards
7. Secretary, Department Professorial Committee (DPC) of Civil Engg Deptt, IITR, 2008-2010.
8. Chairman, Library Advisory Committee, M G Central Library, IITR, Jan 2013 - 2016.
9. **Fourth Rank among Top 100 IIT Professors in India in 2016 based on Research papers Published in India as per Confederation of Indian Industry (CII).**
10. **President of India Nominee (Visitor's Nominee) for Civil Engineering Department of IIT Delhi, 2016-19, IIT Madras 2017-20, IIT Jodhpur 2018-21, Court of Banaras Hindu University, 2017-19 and all NITs, 2018-21.**
11. Member, HRB Core Group, Indian Roads Congress 2017-19.
12. Member, Flexible Pavements Airfield Runways Committee H-2, Indian Roads Congress, New Delhi. (1999 -2018-20)
13. **Member of Board of Governors (BoG) of IIT-BHU as Council Nominee of MHRD. (2018-21)**

SOCIAL RESPONSIBILITIES

1. Secretary, Bharat Vikas Parishad, Noida, 1995-96
2. State Coordinator, Bharat Ko Jano, Bharat Vikas Parishad, Western Uttar Pradesh, 1996-98
3. State Coordinator, Bharat Ko Jano, Bharat Vikas Parishad, Uttarakhand, 2002-04
4. President, Saraswati Mandir Samiti, IIT Roorkee, 2012-2014
5. President, Bharat Vikas Parishad, Roorkee, 2016-17

MEMBERSHIP OF PROFESSIONAL BODIES

- (i) Indian Roads Congress (Life Member)
- (ii) The Institution of Engineers (India)-Fellow
- (iii) Indian Geotechnical Society
- (iv) Indian Society for Continuing Engineering Education
- (v) The Institute of Urban Transport.
- (vi) Vigyan Bharti
- (vii) Life member, Transportation Research Group

SOFTWARE DEVELOPMENT

1. Facility Based Rural Road Network Design
2. Overlay Design of Flexible Pavements
3. Intelligent Transport System
4. Flexible Pavement Design
5. All or Nothing Method for Route Choice

6. Toll Booth
7. Trip Distribution
8. Incident Management
9. Capacity Restrained Method for Route Choice
10. Traveler Information System
11. GIS Based Rural Road Planning
12. PMGSY
13. Multipath Assignment Technique
14. Advanced Traveller Information System

TRAINING COURSE AS PRINCIPAL COURSE COORDINATOR

1. Organised a Two week Q. I. P. COURSE on “Planning, Design, Construction of Rural Roads” at University of Roorkee, June 15-29, 1999
2. Organised an One week Training Course on “Construction of Roads Under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RES Engineers” July 5-11, 2002.
3. Organised a 5 days Training Course on “Roads For World Bank Aided Projects” for PWD Engineer, Jan 7-11, 2003.
4. Organised an One week Training Course on “Roads Under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RES Engineers” Jan27-Feb 01, 2003.
5. Organised an One week Training Course on “Rural Roads Construction under Pradhan Mantri Gram sadak Yojna (PMGSY) for RES Engineers” May 26-30, 2003
6. Organised an One week Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RES Engineers” June 9-13, 2003
7. Organised a three days training course on “Construction for Pradhan Mantri Gram Sadak Yojna (PMGSY) for Executive Engineers of PWD and RES sponsored by NRRDA” Dec 11-13, 2003
8. Organised a Five days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RES Engineers” Dec 23-27, 2003
9. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RES Engineers” Feb 4-6, 2004.
10. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RES Engineers” June1-3, 2004.
11. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RES Engineers” July 1-3, 2004.
12. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RES Engineers” Nov 15-17, 2004.

13. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RES Engineers” March 21-23, 2005.
14. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for URRDA Engineers” Aug 4-6, 2005.
15. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RES Engineers” April 5-7, 2006.
16. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for URRDA Engineers” July 21-23, 2006.
17. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RES Engineers” Sept 14-16, 2006.
18. Organised a Five days Q. I. P. Course on “Planning, Design, Construction and Maintenance of Rural Roads for PMGSY” Feb 10-14, 2007
19. Organised a Five Days Q.I.P.Course on “Urban Transportation Planning” on June 24-28, 2007.
20. Organised a Five Days Training Course on Rural Roads Construction and Other Works under NABARD for their Officers, at Lucknow on Sept 6-10, 2007 .
21. Organised a Five Days Training Course on Rural Roads Construction and Other Works under NABARD for their Officers, at Lucknow on Nov 21-26, 2007 .
22. Organised a Five Days Training Course on Rural Roads Construction and Other Works under NABARD for their Officers, at Lucknow on Sept 2-8, 2008.
23. Organised a Five Day Training Course on Hydraulics and Rural Roads under National Rural Employment Guarantee Act sponsored by Madhya Pradesh Employment Guarantee Council, Bhopal, on Sept 15-19, 2008.
24. Organised a Five Day Training Course on Hydraulics and Rural Roads under National Rural Employment Guarantee Act sponsored by Madhya Pradesh Employment Guarantee Council, Bhopal, on Dec 15-19, 2008.
25. Organised a Five Day Training Course on Hydraulics and Rural Roads under National Rural Employment Guarantee Act sponsored by Madhya Pradesh Employment Guarantee Council, Bhopal, on Jan 5-9, 2009.
26. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) and CC Raod Construction under Ambedkar Gram Yojna for RES Engineers” Jan 21-23, 2011.
27. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) and CC Raod Construction under Ambedkar Gram Yojna for RES Engineers” March 22-24, 2011.
28. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) and CC Raod Construction under Ambedkar Gram Yojna for RES Engineers” April 22-24, 2011.
29. Organised a Five Days Training Course on “Survey, Investigation and Pavement Design” sponsored by Road Construction Department, Bihar at IITR on Feb 25 to March 1, 2013.

30. Organized a Five Days Training Course on “Survey, Investigation and Design of Bridges” sponsored by Road Construction Department, Bihar at IITR on March 11 to March 15, 2013.
31. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RED Engineers” Sept 7-9, 2013.
32. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RED Engineers” Oct 3-5, 2013.
33. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RED Engineers” Oct 24-26, 2013.
34. Organised a Three days Training Course on “Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) for RED Engineers” Nov 27-29, 2013.
35. Organised a Three days Training Course on “PMGSY-II alongwith Earthquake Resistant Structures for RED Engineers” July 24-26, 2014.
36. Organised a Three days Training Course on “PMGSY-II alongwith Earthquake Resistant Structures for RED Engineers” Aug 21-23, 2014.
37. Organised a Three days Training Course on “PMGSY-II alongwith Earthquake Resistant Structures for RED Engineers” Sept 11-13, 2014.
38. Organised a Three days Training Course on “PMGSY-II alongwith Earthquake Resistant Structures for RED Engineers” Oct 16-18, 2014.
39. Organised a Three days Training Course on “PMGSY Roads alongwith Earthquake Resistant Structures for RED Engineers” May 16-18, 2017.
40. Organised a Three days Training Course on “New Technologies in PMGSY for RED Engineers” Jan 23-25, 2018.

About 1200 Field Engineers/Teachers have attended these courses. Apart from this, delivered lectures in various other 30 courses organized by NITHE, NABARD, NRRDA, IITs and other organisations.

SEMINAR/WORKSHOP ORGANISATION (as Chairman /Organising Secretary)

1. Organising Secretary, Seminar on “Technical Reforms in Technical Education” on March 26-27, 2001 sponsored by Govt of India attended by about 110 delegates from different parts of the country including Directors of National Laboratories/ Engineering Colleges.
2. Organising Secretary, Workshop on Project Formulation and Quality Monitoring under Pradhan Mantri Gram Sadak Yojna, on September, 2, 2005, sponsored by National Rural Roads Development Agency, Ministry of Rural Development, Govt of India, attended by 50 delegates including 5 IAS officers, Chief Engineers of Various States, Directors and Professors of various Engineering Colleges.
3. Chairman, 59th ILA International Conference on Managing Libraries in the Changing Information World: From Surviving to Thriving, Feb 22-24, 2014, attended by Foreign delegates and Indian delegates.
4. Organising Secretary, National Conference on “Fifteen Years of PMGSY” organized at IIT Roorkee, sponsored by National Rural Roads Development Agency (NRRDA), Ministry of Rural Development, Govt. of India, on Aug 6-7, 2016, attended by 150 delegates including Shri Ram Kripal Yadav, Minister of State for Rural Development, Govt. of India,, Shri Ramesh Pokhariyal Nishank, Ex Chief Minister, Uttarakhand, Shri Rajesh Bhusan, IAS and Director General, NRRDA, Chief Engineers of Various States, Directors of various research and academic organisations, Faculty Members from IITs, NITs and other engineering Colleges.
5. Supported Task Force Committee Meeting for Development of Indian Highway Capacity Manual (Indo-HCM) at IIT Roorkee on Sept 9-10, 2016 as Coordinator, Transportation Engineering Group, Civil Engineering Department, IIT Roorkee.
6. Organising Secretary, “National Conference on Roads and Transport (NCORT-2017), on completion of 170 years of Civil Engineering Education at IIT Roorkee held on October 14-15, 2017 sponsored by National Rural Roads Development Agency, Ministry of Rural Development, Govt of India, It was attended by Mr Manoj Kumar, Director General (Roads), Ministry of Roads and Transport, Govt. of India, Mr S K Nirmal, Secretary General, IRC, Dr D S Rawat, Minister for Higher Education, Govt. of Uttarakhand, Prof R J Furlonge from West Indies, Dr I K Pateriya, Director, NRRDA, Mr Uttam Kumar, Director, NRRDA, Prof Satish Chandra, Director, CRRI and about 200 delegates.

APPENDIX

Research Papers Published in National/International Journals

1. Gupta A.K., Jain S. S. and Kumar Praveen, The Effect of External Atmospheric Conditions on Speed of Road- Vehicles, Journal of The Institution of Engineers (India), Vol. 73, No.2, Aug. 1992 pp. 31 - 34.
2. Gupta, A.K. and Kumar Praveen , Development of Roads and Road Based Traffic in India, Journal of the Institution of Engineers (India), Vol.74, Sept. 1993 pp. 28-32.
3. Gupta A.K., Khanna S.K. and Kumar Praveen, Route Choice Analysis on an Identified Rural Corridor, Indian Highways, Vol.21, No.11, Nov. 1993, pp.5 -12.
4. Kumar Praveen, Chandra Jagdish, Durai B.K. Rural Road Characteristics-A Case Study of Jaipur District, Journal of Indian Roads Congress, New Delhi, Vol.56, Part I, No. 1 , April 1995, pp. 143-157.
5. Kumar Praveen and Gupta A.K., Technical and Psychological Feasibility of an Alternate Route, Journal of The Institution of Engineers (India), Vol.76, Sept. 1995, pp. 1-5.
6. Dhawan P. K., Mehta H.S. and Kumar Praveen, Rural Road Construction Technology, Sadak Darpan, Journal of Central Road Research Institute, New Delhi, Vol. 1, Jan. 1998, pp. 17-22.
7. Soni S.K., Durai B.K., Kumar Praveen and Murty A.V.S.R., Geographical Technology, Sadak Darpan, Journal of Central Road Research Institute, New Delhi, Vol. 1, Jan 1996, pp. 17-22.
8. Murty A.V.S.R. and Kumar Praveen, New Possibilities for Utilization of Waste Materials System-A Technology for Transportation Engineers, Indian Highways, Vol.24, No.2, Feb. 1996, pp. 53-58.
9. Kumar Praveen, Kumar Ashwani, Dhawan P.K., and Murty A.V.S.R., Use of Granulated Blast Furnace Slag (GBFS) in Road Construction, Journal of Central Road Research Institute, New Delhi, Vol.2, Sept. 1996, pp. 27-31.
10. Dhawan P.K. and Kumar Praveen, Road Construction Technique for Black Cotton Soil Area, Journal of Central Road Research Institute, Vol. 2, New Delhi, pp. 7-10
11. Singh D.V., Gupta A.K. and Kumar Praveen, Planing Practices for Rural Roads in India-A Critical Review, Indian Highways, Vol. 25, Feb. 1997 pp. 5-14.

12. Murty A.V.S.R., Mathur S. and Kumar Praveen, Use of Steel Plant Slags in Road Construction, Journal of the Institution of Engineers (India), Vol. 78, Aug. 1997, pp. 76-79.
13. Kumar Praveen, Mathur Sudhir and Murty A.V.S.R., Technology Transfer-Need of Today, Sadak Darpan, Journal of Central Research Institute, New Delhi, Vol.3, Aug. 1997, pp. 11-13.
14. Kumar Praveen, Kumar Ashok, Pal Anang, Effect of Road Construction on Environment, Sadak Darpan, Journal of Central Road Research Institute, New Delhi, Vol.3, Aug. 1997, pp. 56-60.
15. Kumar Ashok, Chandra Jagdish, Durai B.K., Kumar Praveen, Planning of Rural Roads, - A Case Study of Jaipur District, Indian Highways, IRC, Vol.25, No. 11, Nov. 1997.
16. Gupta A.K., Murty A.V.S.R. and Kumar Praveen, Steel Plant Slag as Road Construction Materials, Journal of Civil Engineering & Construction Review, New Delhi, Vol.10, No. 11, Nov. 1997.
17. Mathur S., Murty A.V.S.R., Sharma V.N. and Kumar Praveen, Application of Steel-Plant By Products to Road Works, Highway Research Bulletin (HRB), No.57, IRC, New Delhi, Dec. 1997, pp. 35-54.
18. Kumar Praveen, Steel Industry Slag as Road Construction Material, Journal of the Indian Engineers, Calcutta, Vol.41, No.2, Feb. 1998, pp. 19-22.
19. Kumar Praveen, Gupta A.K., Singh D.V. and Jain S.S., Facility-Based Optimal Rural Road Network Design, Highway Research Bulletin (HRB), No.58, Indian Roads Congress, New Delhi, June 1998, pp. 109-135.
20. Kumar Praveen, Kumar Ashwani, Dhawan P.K., and Murty A.V.S.R., Performance of Granulated Blast Furnace Slag in Road Construction -A Case Study, Indian Highways, IRC, New Delhi, Vol27, No. 7, July 99, pp. 27-34.
21. Kumar Ashok and Kumar Praveen, User-Friendly Model for Planning Rural Roads, Transportation Research Record, No. 1652, vol 1, Transportation Research Board (TRB), **Washington D.C.** May 1999, pp 31-39
22. Kumar Praveen, Planning of Rural Roads, Sadak Darpan, Journal of Central Road Research Institute, New Delhi, vol 4, Sept,1999, pp 36-39.
23. Sikdar, P.K., Jain S.S., Bose S. and Kumar Praveen, Premature Cracking of Flexible Pavements, IRC Journal (**Discussion paper, Awarded paper**), New Delhi, Vol 60-3, Nov 1999, pp 355-398.

24. Kumar Praveen and Kumar Ashwani, Steel Industry Waste Utilization in Road Sector of India, Journal of The Institution of Engineers (India), Vol 80, Feb 2000, pp182-185.
25. Kumar Praveen and Jain S.S.,fly Application of Facility-Based Rural Road Network Planning Model, Highway Research Bulletin (HRB) No 62, Indian Roads Congress (IRC), June 2000 pp 103-116.
26. Chandra Satish and Kumar Praveen, Computer Aided Design of Flexible Pavement Overlays, Highway Research Bulletin (HRB) No 62, Indian Roads Congress (IRC), June 2000 pp 49-64.
27. Kumar Praveen and Jain S.S., Optimal Rural Road Network Planning for Developing Countries, **Australian Road Research Bulletin (ARRB)**, Vol. 9, No.3, September 2000, pp 51-66.
28. Kumar Praveen and Jain S.S., Utilisation of Non Conventional Materials in Highway Pavements, New Building Materials and Construction World, Vol. 6, Issue-4, October 2000, pp. 13-19.
29. Kumar Praveen, Kumar Ashwani and Swami R.K., Construction of Road Using Steel Industry Waste-A Case Study, Indian Highways, IRC, New Delhi, Vol. 29, No. 2, Feb 2001, pp. 21-34.
30. Kumar Praveen, Jain S.S. and Singh Pankaj, Need of Intelligent Transport System for India, Journal of The Institution of Engineers (India), Vol.82, June 2001, pp63-69.
31. Kumar Ashwani, Kumar Praveen and Murty A.V.S.R., Methodology for Maintenance of Unpaved Roads, Indian Highways, IRC, Vol. 29, No.8, August 2001, pp35-48.
32. Mehndiratta H.C., Kumar Praveen and Gogoi Rajib, Effect of Delayed Compaction on Lime-Flyash Soil Mixes, Highway Research Bulletin (HRB) No 66, Indian Roads Congress (IRC), June 2002 pp 51-66.
33. Kumar Praveen, Jain S.S. and Rama Kumar P.E., Computer Software for Incident Management, Highway Research Bulletin (HRB) No 66, Indian Roads Congress (IRC), June 2002 pp 173-188.
34. Chandra Satish, Kumar Praveen and Feyissa Abesha Berhanu, Use of Marble Dust in Road Construction, **International Journal of Road Materials and Pavement Design, France**, Vol. 3, No. 3/2002 pp 317- 330.

- 35 Kumar Praveen, Jain S.S. and Singh Pankaj, Concept and Application of Intelligent Transport System-A Case Study, Indian Highways, IRC, Vol 30, No. 11, November 2002 pp17-38.
- 36 Mehndiratta H.C., Kumar Praveen and Sreedhar Maruthi, Use of Jute Textile in Road Embankments-A Case Study, Journal of the Institution of Engineers (India), Volume 83, November 2002, pp 201-207.
- 37 Kumar Praveen, Use of Non-Conventional Materials in Roads- Some Case Studies, Journal of Civil Engineering and Construction Review, December 2002, pp 26-34.
- 38 Kumar Praveen, Jain S.S. and Singh L.N., Lab Study on Use of Steel Industry Slag in Bituminous Mixes, Highway Research Bulletin (HRB) No. 67, Indian Roads Congress (IRC), Dec 2002, pp13-26.
- 39 Kumar Praveen, Planning of Rural Roads by Need Based Computerised Network Model, Manthan, IIT Roorkee Research Publication (Hindi), Vol 1, 2003, June 2003, pp84-88.,
- 40 Kumar Praveen, Chandra Satish and Maurya A.K., Computer Application in Marshall Method of Mix Design, Indian Roads Congress, Indian Highways, Vol 31 No. 10, October 2003 pp25-43.
- 41 Kumar Praveen, Chandra Satish and Singh Varun, Graphical Interface for Rural Road Accessibility Planning, Journal of Indian Roads Congress, Vol 64-1, June 2003, pp133-159.
- 42 Kumar Praveen, Mehndiratta H.C. and Karri Srinivas Rao, Computer Aided Design of Flyash Layers in Highway Embankments, Indian Highways, Indian Roads Congress, Vol 32 No. 2, Feb 2004, pp 29-52.
- 43 Jain S.S., Kumar Praveen and Sharma N.K. Lt. Col., "Correlation between Benkelman Beam Deflection and Portable Falling Weight Deflectometer" Indian Highways, Indian Roads Congress, Vol 32, No.3, March 2004, pp 13-29.
- 44 Kumar Praveen, Road Construction with Waste Materials, Manthan, IIT Roorkee Research Journal in Hindi, Vol 2, June 2004, pp 71-75.
- 45 Kumar Praveen, Arora Manoj and Sudhakar Marem, Facility-Based Network Planning of Rural Roads Using GIS, Indian Highways, IRC, Vol 32, No. 7, July 2004, pp 5-22.
- 46 Kumar Praveen and Sahoo U.C, Use of Global Positioning System (GPS) in Transportation Engineering, Indian Highways, IRC, Vol 32, No. 8, Aug 2004, pp 125-136.

- 47 Kumar Praveen and Sahoo Umesh Chandra, Software for Rural Road Planning Under Pradhan Mantri Gram Sadak Yojna (PMGSY), Indian Highways, IRC, Vol 32, No. 9, Sept 2004, pp 49-59.
- 48 Kumar Praveen, Agrawal Atul and Kumar Sunil, "Advanced Traveler Information System for Delhi Metro Railway", Indian Highways, IRC, Vol 32, No. 11, Nov 2004, pp21-30.
- 49 Chandra Satish, Kumar Praveen and Sataya Narayan, "Computer Aided Design of Flexible Pavements", Indian Highways, IRC, Vol 32, No. 12, Dec 2004, pp5-18.
- 50 Kamel Moustafa Ahmed, Chandra Satish and Kumar Praveen, Behaviour of Subgrade Soil Reinforced with Geogrid, **International Journal of Pavement Engineering, Vol 5, Number 4, December 2004, USA**, pp 201-210.
- 51 Kumar Praveen, Singh Varun and Reddy D., GIS Based Advanced Traveler Information System for Hyderabad City, **Journal of IEEE Transaction on Intelligent Transport System (ITS)**, Vol 6, No. 1, March 2005, **Washington, USA**, pp 26-37.
- 52 Kumar Praveen and Reddy Dhanunjay and Varun Singh, "Traveler Information System in GIS-A Case Study of Hyderabad City", Indian Highways, IRC, Vol 33, No. 4, April 2005, pp 17-31.
- 53 Kumar Praveen, Pradhan Mantri Gram Sadak Yojna, Mathan, IIT Roorkee Research Bulletin, No. 3, April 2005, pp79-81.
- 54 Jain S.S., Kumar Praveen and Kumar Mukesh, Effect of Wearing Course on Skid Resistance, Highway Research Bulletin, HRB No. 72, Indian Roads Congress (IRC), June 2005, pp1-12
- 55 Kamel Moustafa Ahmed, Chandra Satish and Kumar Praveen, Resilient Behaviour of Reinforced Subbase Material, Highway Research Bulletin, HRB No. 72, Indian Roads Congress (IRC), June 2005, pp 13-26.
- 56 Kumar Praveen, Mehndiratta H.C. and Kumar Anant, "Economic Analysis of Rural Road Construction Under PMGSY" Indian Highways, Indian Roads Congress, Vol 33, No. 8, August 2005, pp 21-33
- 57 Mehndiratta H.C., Kumar Praveen and Padma T., "Natural Geotextiles in Highway Embankments" Indian Highways, Indian Roads Congress, Vol 33, No. 8, August 2005, pp57-66.

- 58 Kumar Praveen, Agarwal Atul and Yoganand N.S.S., Multi-Modal Advanced Traveler Information System for Delhi Metro, Highway Research Bulletin, HRB No. 73, Indian Roads Congress (IRC), October 2005, pp 209-223.
- 59 Kumar Praveen, Mehndiratta H.C. and Rokade Siddhartha, Use of Reinforced Flyash in Highway Embankments, Highway Research Bulletin, HRB No. 73, Indian Roads Congress (IRC), October 2005, pp 1-13.
- 60 Mehndiratta H.C., Kumar Praveen, Borapureddy Anil Durga Prasad and Kh. Lakhshman Singh, Relationship between Rheological and Conventional Properties of Bitumen, Highway Research Bulletin, HRB No. 73, Indian Roads Congress (IRC), October 2005, pp 187-208.
- 61 Kumar Praveen, Mehndiratta H.C., Sejla Chandra Narayan, Singh Salendra Pratap, Effect of Randomly Distributed Fibers on Flyash Embankments, Civil Engineering Journal of The Institution of Engineers (India), Vol 86, Nov 2005, pp113-118.
- 62 Kamel Moustafa Ahmed, Chandra Satish and Kumar Praveen, Modified AASHTO Method for Design of Geogrid Reinforced Flexible Pavements, Indian Highways, Indian Roads Congress, Vol 34, No. 1, Jan 2006, pp 49-54.
- 63 Kumar Praveen, Intelligent Transport System, Manthan, IIT Roorkee Research Publication (Hindi), Vol 4, 2004, April 2006, pp67-73.
- 64 Mehndiratta H.C., Kumar Praveen and Velicherla Rama Kumar, Investigations on Cost Effective Design of Rural Roads under PMGSY, Civil Engineering Journal of The Institution of Engineers (India), Vol 87, May 2006, pp48-52.
- 65 Kumar Praveen, Singh Nalini and Jami T.V.Ramakanth, GIS Based Rural Road Network Planning-A Case Study of Vizianagaram District (AP), ITPI Journal, Vol 3, No. 3, July-Sept, 2006, pp30-39.
- 66 Kumar Praveen, Mehndiratta H.C. and Durgarao A.K., "Use of Polythene in Flyash-Soil Embankments", HRB No. 74, Indian Roads Congress, 2006, pp29-38.
- 67 Kumar Praveen, Chandra Satish and Vishal R., Comparative Study of Different Subbase Materials, **Journal of Materials in Civil Engineering, American Society of Civil Engineers (ASCE), USA**, July/August 2006, Vol 18, Number 4, pp 576-580.
- 68 Mehndiratta H.C., Kumar Praveen and Sateesh Kumar M., Investigation on Optimal Use of Gravel in Flexible Pavements (**Discussion Paper**) Journal of Indian Roads Congress (IRC). Vol 67-3. Oct-December-2006, pp 201-207.

- 69 Kumar Praveen and Lal M.K., Computer Aided Design of Rural Roads, Journal of Indian Roads Congress (IRC). Vol 67-3. Oct-December-2006, pp 261-270.
- 70 Kumar Praveen, Varun Singh and Venkateshwar Avvari, Advanced Traveller Information System for Delhi Metropolitan City, Indian Highways, Indian Roads Congress, Vol 35, No. 5, May 2007, pp 39-49.
- 71 Kumar Praveen and Singh Shalendra Pratap, Reinforced Flyash Sub-bases in Rural Roads, Journal of Indian Roads Congress (IRC). Paper No. 531 (**Discussion Paper**), Vol 68-1. April-June, 2007, pp 65-75.
- 72 Mehndiratta H.C., Kumar Praveen and Akisetty Chandra Kiran Kumar, Effect of Mixing and Compacting Temperature on Physical Properties of Bituminous Mixes, Journal of Indian Roads Congress (IRC), Vol 68-1. April-June, 2007, pp 79-89.
- 73 Kumar Praveen, Mehndiratta H.C. and Ahmed Matin, A Parametric Study on Shape of Aggregates affecting Surface of Flexible Pavements, HRB No. 77, Indian Roads Congress (IRC), October 2007, pp37-46.
- 74 Kumar Praveen, Mehndiratta H.C. and Toshniwal G.R., Effect of Jute Textile in Various Layers of Pavement,. HRB No. 77, Indian Roads Congress(IRC), October 2007, pp55-61.
- 75 Kumar Praveen and Singh Shalendra Pratap, Fiber Reinforced Fly Ash Sub-bases in Rural Roads, **Journal of Transportation Engineering, American Society of Civil Engineers (ASCE), Vol 134, No. 4, April 2008**, pp171-180.
- 76 Kumar Praveen and Reddy Ramanjaney, Study of Reinforced Embankments and Sub-base Using Demolition Waste, Journal of Scientific and Industrial Research (JSIR), Vol 67, May 2008, pp386-391.
- 77 Kumar Praveen, Mehndiratta H.C. and Reddy R.D.K., Use of Glass Grid in Pavement Layers, Civil Engineering Journal of The Institution of Engineers (India), Vol 89, May 2008, pp33-36 (Awarded Paper).
- 78 Kumar Praveen and Singh Veerendra, Use of Flyash Layer of Pavement, Indian Highways, Indian Roads Congress, Vol 36, No. 8, Aug 2008, pp 41-50.
- 79 Kumar Praveen and Saxena Anukul, Upgradation Planning of Rural Roads in GIS Environment, Indian Highways, Indian Roads Congress, Vol 36, No. 10, Oct 2008, pp 13-21.
- 80 Kumar Praveen, Mehndiratta H.C. and Singh Veerendra, Fly Ash/Lime-Fly Ash/Lime as Filler in Bituminous Mixes-A Comparative Study, **International Journal of Pavements (IJP), Brazil**, Vol 6, No. 1-2-3, 2008, pp 89-99.

- 81 Sinha Abdhesh Kumar, Kumar Praveen and Chandra Satish, Behaviour of Industrial Waste Materials under Cyclic Loading, Highway Research Journal, HRB, Indian Roads Congress, Vol. 1, No2, July-December 2008, pp 21-27.
- 82 Kumar Praveen, Singh Varun & Avaari Venkat, Intelligent Transport System for Developing Countries, **Journal for “World Review of Intermodal Transportation Research”, Switzerland**, Vol 2, No. 2/3, 2009, pp 201-217.
- 83 Kumar Praveen and Sorum N.G., A Comparative Study of Emulsion and Modified Bitumen in Road Construction, Indian Highways, Indian Roads Congress, Vol 37, No. 3, March 2009, pp 21-31.
- 84 Kumar Praveen and Pandey Gaurav, Use of Oil and Phosphates in Soil Stabilization, Indian Highways, Indian Roads Congress, Vol 37, No. 5, May 2009, pp 25-30.
- 85 Kumar Praveen, Mehndiratta H.C.& Singh Lakshman, Effect of Mixing of SBS, EVA and Crumb Rubber on Properties of Bituminous Binders, Highway Research Journal, HRB, Indian Roads Congress, Vol. 2, No1, January-June 2009, pp 11-40.
- 86 Kumar Praveen and Patel Vishal, Effect of Various Parameters on Performance of PMGSY Roads, Civil Engineering Journal of The Institution of Engineers (India), Vol 90, Aug 2009, pp1-8.
- 87 Kumar Praveen, Mehndiratta H.C. and Singh K.Lakshman, Rheological Properties of Crumb Rubber Modified Bitumen-A Lab Study, Journal of Scientific and Industrial Research (JSIR), Vol 68, No. 9, September 2009, pp812-816.
- 88 Kumar Praveen , Mehndiratta H.C. and Immadi Satish, Investigation on Fiber Modified Bituminous Mixes-An Experimental Study in India, Transportation Research Record, No. 2126, ISSN 0361-1981, **TRB Journal, USA, 2009, pp91-99.**
- 89 Kumar Praveen and Kumar Ranjeet, Software Development for Multipath Route Assignment Technique, Indian Highways, Indian Roads Congress, Vol 37, No. 12, December 2009, pp 13-21.
- 90 Kumar Praveen and Varshney G.K., “Comparative Computer Aided Design of Low Volume Roads” Indian Highways, Indian Roads Congress, Vol 38, No. 2, Feb 2010, pp17-24.
- 91 Kumar Praveen and Singh Veerendra, Use of Flyash in Bituminous Pavements, Journal of Civil Engineering & Construction Review (CE&CR), Vol 23, No. 3 March 2010, pp 106-113.

- 92 Kumar Praveen and Singh Shalendra Pratap, Closure to Discussion on paper Fiber Reinforced Fly Ash Sub-bases in Rural Roads, **Journal of Transportation Engineering, American Society of Civil Engineers (ASCE)**, Vol 136, No. 4, April 2010, pp401.
- 93 Kumar Praveen, Chandra Satish and Sajid M.D.A., Performance Study of PMGSY Roads, Indian Highways, Indian Roads Congress, Vol 38, No. 6, June 2010, pp17-24.
- 94 Kumar Praveen and Garg Rashi, Laboratory Studies on Waste Plastic Fibre Modified Bitumen, Vol. 3, No.1, Highway Research Journal, HRB, Indian Roads Congress (IRC), June 2010 pp45-60.
- 95 Singh Varun and Kumar Praveen, Web Based Dynamic Advanced Traveler System for Developing Countries **Journal of Transportation Engineering, American Society of Civil Engineers (ASCE)**, Vol 136, Issue 9, September 2010, pp836-845.
- 96 Kumar Praveen and Gupta Ankit, Provision of Rigid, Semi Rigid and Flexible Pavements as Rural Roads, New Building Materials & Construction World, Vol 16, Issue-3, Sept , 2010, pp 160-167.
- 97 Kumar Praveen, Mehndiratta H.C. and Singh K.Lakshman, Comparative Study of Rheological Behaviour of Modified Binders, **Journal of Materials Engineering, American Society of Civil Engineers (ASCE)**, Vol 22, Issue 10, October 2010, pp978-984.
- 98 Kumar Praveen and Singh Varun, Implementation of Data Tier in Advanced Traveller Information System (ATIS), Indian Highways, Indian Roads Congress, Vol 38, No.12, Dec 2010, pp33-46.
- 99 Kumar Praveen and Chandra Nikesh, Laboratory Studies of Skid Resistance and Rutting of Low Cost Bituminous Wearing Courses, Indian Highways, Indian Roads Congress, Vol 39, No. 6, June 2011, pp21-31.
- 100 Gupta Ankit, Kumar Praveen and Rastogi Rajat, Pavement Deterioration and Maintenance Model for Low Volume Roads, International Journal of Pavement Research and Technology, Vol 4, No. 4, July 2011, pp195-202.
- 101 Kumar Praveen, Garg R.D., Durai B.K. and Subramanyam A.S., Upgradation Planning of Rural Roads Using GIS and GPS, Indian Highways, Indian Roads Congress, Vol 39, No. 8, August 2011, pp33-46.

- 102 Kumar Praveen and Suman Sanjeev, ITS Technologies for Advanced Public Transportation Systems (APTS), Indian Highways, Indian Roads Congress, Vol 39, No. 9, September 2011, pp51-68.
- 103 Kumar Praveen, Garg Rashi, Rheology of Waste Plastic Fibre Modified Bitumen, published online by International Journal of Pavement Engineering (IJPE), **Taylor and Francis**, Vol 12, No. 5, October 2011, pp449-459.
- 104 Gupta Ankit, Kumar Praveen and Rastogi Rajat, A Critical Review of Flexible Pavement Performance Models Developed for Indian Perspective, Indian Highways, Indian Roads Congress, Vol 40, No. 3, March 2012, pp41-60.
- 105 Kumar Praveen, Rastogi Rajat, Gupta Ankit and Jain Akash, Land-Uses and Activity- Based Traffic Forecasting Model, Indian Highways, Indian Roads Congress, Vol 40, No. 4, April 2012, pp25-41.
- 106 Kumar Brind, Ransinchung R.N. G.D., Kumar Praveen and Patil Digvijay Ananda, Are the Gradation Limits of Bituminous Concrete Grade-1 Rut Resistant, Indian Highways, Indian Roads Congress, Vol 40, No. 5, May 2012, pp33-45.
- 107 Kumar Praveen, Maurya M.R., Gupta Manoj & Maninder Singh” Lab Study on Chemical and Rheological Changes in Modified Binders”, Highway Research Journal, IRC, Vol 5, No. 1, Janury-June 2012, pp 1-13.
- 108 Kumar Praveen and Anand P. Maj, Laboratory Study on Moisture Susceptibility of Various Bituminous Courses, **Journal of Transportation Engineering, American Society of Civil Engineers (ASCE)**, Vol 138, No.1, Jan 2012, pp 105-113.
- 109 Kumar Praveen, Suman Sanjeev and Meena Rishi Kesh, Advanced Traveller Information System for Historical Cities, Indian Highways, Indian Roads Congress, Vol 40, No. 7, July 2012, pp17-29.
- 110 Suman Sanjeev and Kumar Praveen, Web GIS based Advanced Public Transport System (APTS) using MapServer and Ant Algorithm, Indian Highways, Indian Roads Congress, Vol 40, No. 9, September 2012, pp41-55.
- 111 Kumar Praveen, Khan Md. Tanveer and Singh Maninder, Evaluation of Physical Properties of SBS Modified bitumen and Effect of Ageing, International Journal of Chemical Engineering, Elixir Journal Vol 46, 2012 pp8299-8303
- 112 Suman Sanjeev and Kumar Praveen, Application of ANT Administrative System in WEB GIS Based Advanced Public Transport System (APTS), **Discussion paper**, Journal of the Indian Roads Congress (IRC), Vol 73-3, October-December 2012, pp353-372

- 113 Kumar Praveen and Shivkumar A K. Col., A Laboratory Study on Mastic Asphalt, Indian Highways, Indian Roads Congress, Vol 41, No. 1, January 2013, pp39-56.
- 114 Singh Maninder, Kumar Praveen, Maurya M.R., “Evaluating Properties of Modified Bitumen Before and After Ageing”, International Journal of Global Technology Initiatives ISSN 2277-6591, Vol 1, March 2012, pp 1-7.
- 115 Singh Maninder, Kumar Praveen, Maurya M.R., Ageing Effect on Modified Bitumen. International Journal of Engineering Science & Metallurgy (IJESM), ISSN 22249-7366, Vol 2, No. 3, 2012, pp727-731
- 116 Ransinchung R N G D, Chauhan Arun Prakash, Anupam Aditya Kumar and Kumar Praveen, Influence of Moisture Content on Use of Recycled Aggregates in PQC, International Journal of Global Technology Initiatives ISSN 2277-6591, Issue 1, March 2012 ppA8-A15.
- 117 Kumar Praveen and Singh Varun, GIS Based Application of Advanced Traveler Information System in India, Series A, Springer, Journal of The Institution of Engineers (India), April, 2012, pp79-85. (**The Institution Prize**)
- 118 Anupam Aditya Kumar, Kumar Praveen and Ransinchung R N G D, Analyzing the Suitability of Waste Materials for Road Construction, International Journal on Science and Technology Review (IJSTR), Vol 1, No. 1, 2012, pp69-75
- 119 Kumar Praveen, Maurya M. R., Singh Maninder and Gupta Manoj, Evaluation of Physico-chemical and Rheological Changes in Modified Bitumen, Construction and Building Materials, Elsevier, 2012, CONBUILDMAT-D-11-01131
- 120 Singh Maninder, Kumar Praveen, Maurya M.R., Strength characteristics of SBS modified asphalt mixes with various aggregates. International Journal of Construction and Building Materials.(Elsevier), Vol 41, 2013, pp815-823.
- 121 Sharma Shashikant, Ransinchung R N G D and Kumar Praveen, Effect of Wollastonite Micro Fiber Addition in Mortar and Concrete Mixes, International Journal of Scientific & Engineering Research, Volume 4, Issue 5, ISSN 2229-5518, May 2013, pp91-94
- 122 Singh Maninder, Kumar Praveen and Chauhan Rajiv, Infrared and Thermal Evaluation of Neat and SBS Modified Bitumen, International Journal of Civil Engineering and Applications ISSN No. 2249-426 X, Vol 3, No. 2, June 2013, pp 81-84
- 123 Ransinchung G.D, Kumar Praveen, Anupam, Aditya Kumar and Sharma Pooja, Evaluation of Efficacy of Fines Obtained from Demolition Concrete Slabs as a

- Soil Stabilizer, Highway Research Journal, Indian Roads Congress, Vol 6, No. 1 Jan-June 2013, pp35-42
- 124 Kumar Praveen and Anand P. Maj, Laboratory Study on Mastic Asphalt, Indian Highways, Indian Roads Congress, Vol 41, No. 7, July 2013, pp17-24.
 - 125 Kumar Praveen, Khan Md Tanveer and Singh Maninder, Study on EVA Modified Bitumen, Journal of Elixir Chemical Engineering, Vol 54 A, 2013, pp 12616-12618.
 - 126 Kumar Praveen, Ransinchung G.D and Anupam Aditya Kumar, Role of Waste Materials in Rural Road Construction, Traffic Infra Tech, June-July, 2013, pp30-37
 - 127 Sharma Shashikant, Ransinchung RN GD and Kumar Praveen, Fiber Reinforced Cement Composites : A Review, Indian Highways, Indian Roads Congress, Vol 41, No. 10, October 2013, pp41-50
 - 128 Kumar Praveen and Sharma Shashi Kant, Prediction of Equivalency Factors for Various Subbase and Base Courses, **Journal of Materials in Civil Engineering, American Society of Civil Engineers (ASCE)**, Vol 25, No.10, October 2013, pp 1357-1365.
 - 129 Kumar Praveen and Mishra Shambhavi, Artificial Swarm Intelligence for attaining the Objectives of Intelligent Transport Systems, International Journal of Engineering Research and Technology (IJERT), ISSN No. 2249-3131, Volume 6, Number 8, 2013, pp75-78.
 - 130 Sharma Shashikant, Anupam Aditya Kumar, Ransinchung G.D R.N. and Kumar Praveen, "Micro Fiber Reinforced Cement Paste and Mortar Overlays – A Review", International Journal of Pavement Research and Technology, **China**, Vol 6, No. 6, Nov. 2013 pp 765-772.
 - 131 Kumar Praveen, Mishra Shambhavi and Saboo Nikhil, A Laboratory Study on Short Term and Long Term Ageing of Bitumen using Modifiers, Indian Highways, Indian Roads Congress, Vol 41, No. 12, December 2013, pp41-52.
 - 132 Gupta Ankit, Kumar Praveen and Rastogi Rajat, Critical Review of Flexible Pavement Performance Models, KSCE Journal of Civil Engineering, **Korea**, Springer, Vol. 18, No.1, Jan 2014, pp142-148.
 - 133 Sinha Abdhesh K., Chandra Satish & Kumar Praveen, Finite Element Analysis of Flexible Pavement with Different Subbase Materials, Indian Highways, Indian Roads Congress, Vol 42, No. 2, February, 2014, pp57-67.

- 134 Anupam Aditya Kumar, Kumar Praveen and Ransinchung R N G D, Performance Evaluation of Structural Evaluation of Structural Properties for Soil Stabilized Using Rice Husk Ash, International Journal of Roads Materials and Pavement Design, Taylor & Francis March 2014 (published online).
- 135 Ransinchung R N G D, Kumar Praveen, Kumar Brind, Anupam Aditya Kumar and Chauhan Arun Prakash, Laboratory Evaluation for the Use of Moorum and Ganga Sand in Wet Mix Macadam Unbound Granular Base Course, Indian Highways, Indian Roads Congress, Vol 42, No. 4, April 2014, pp39-45.
- 136 Singh Maninder, Kumar Praveen, Maurya M.R., Effect of Aggregate Types on Neat and EVA modified Bituminous Asphalt Mixtures. International Journal of Pavement Engineering, Taylor and Francis, 2013, pp1-11.
- 137 Sharma Shashikant, Ransinchung G.D R.N. and Kumar Praveen, Role of Wollastonite Micro Fiber in Rigid Pavement, INROADS, Special Issue, Journal of Indian Journal.com, Vol 3, No. 1, Jan-June 2014, pp 192-196.
- 138 Anupam Aditya Kumar, Kumar Praveen and Ransinchung G D R.N, Analysing the suitability of Waste Materials for Road Construction, International Journal on Science and Technology Review (IJSTR), Vol 1, No. 1, 2014, pp 69-75.
- 139 Singh Maninder, Kumar Praveen and Maurya M R, Infra Red and Thermal Analysis of Neat and Modified Bitumen, Journal of Indian Roads Congress, Paper no. 614(Discussion paper) Vol 74-4, April-June 2014, pp103-112.
- 140 Suman Sanjeev and Kumar Praveen, Ant Colony Optimization Algorithms for Vehicle Routing, Route Planning and Scheduling, Highway Research Journal, Indian Roads Congress, Vol 7, No. 1, January –June, 2014, pp55-65.
- 141 Kumar Praveen, Ransinchung G. D. R. N and Anupam Aditya Kumar, Use of Fine Grained Waste Materials in Highway Construction-A Review, Indian Highways, Indian Roads Congress, Vol 42, No. 7, July 2014, pp67-76.
- 142 Kumar Praveen, Ransinchung G.D R.N. and Kandari D. S., A Comparative Laboratory Study on Permeability of Sub Base Materials using Chemical Additives and Fibers, Indian Highways, Indian Roads Congress, Vol 42, No. 9, September, 2014, pp25-30.
- 143 Gupta Ankit, Kumar Praveen and Rastogi Rajat, Performance Evaluation and Design Criteria for Low Volume Flexible Pavements, Indian Highways, Indian Roads Congress, Vol 42, No. 12, December 2014, pp35-42.
- 144 Ransinchung GD RN, Kumar Praveen and Jindal Abhishek, Influence of Recycled Aggregates on Mechanical & Permeability Properties of Pavement Quality

- Concrete (PQC), Indian Highways, Indian Roads Congress, Vol 42, No. 12, December 2014, pp29-34.
- 145 Gupta Ankit, Kumar Praveen and Rastogi Rajat Mechanistic-Empirical Approach for Design of Low Volume Pavements, **International Journal of Pavement Engineering (IJPE)**, Taylor & Francis, Vol 16, No. 9, 2015, pp 1-12.
 - 146 Kumar Praveen, Suman Sanjeev and Mishra Shambhavi, Online Ticketing System Development for Web GIS Based APTS” Indian Highways, Indian Roads Congress, Vol 43, No. 1, January 2015, pp15-18.
 - 147 Saboo Nikhil and Kumar Praveen, Study of flow behavior for predicting mixing temperature of bitumen, **Construction and Building Materials, Journal of Elsevier**, Vol 87, July 2015, pp38-44.
 - 148 Saboo Nikhil and Kumar Praveen, Optimum Blending Requirements for EVA Modified Binder, International Journal of Pavement Research and Technology, Vol 8, No. 3, May 2015, p172-178.
 - 149 Gupta, A., Kumar, P. and Rastogi, R.. “Critical Pavement Response Analysis of Low Volume Pavements Considering Non Linear Behavior of Materials”, **Transportation Research Record (TRR), Journal of the Transportation Research Board (TRB)**, Vol. 2474, 2015, pp. 3-11.
 - 150 Saboo Nikhil and Kumar Praveen, A Study on Creep and Recovery Behavior of Asphalt Binders, **Building and Construction Materials, Journal of Elsevier**, Vol 96, October 2015, pp 632-640.
 - 151 Singh Maninder and Kumar Praveen, Determination of Mixing and Compacting Temperatures for Neat and Modified Bitumen, Indian Highways, Indian Roads Congress, Vol 43, No. 10, October 2015, pp15-23.
 - 152 Kumar Praveen and Mishra Shambhavi, Application of Swarm Intelligence in Road Network Design-A Review, Indian Highways, Indian Roads Congress, Vol 43, No. 9, September 2015, pp13-23.
 - 153 Singh Maninder, Kumar Praveen and Anupam Aditya Kumar, Effect of Type of Aggregate on Permanent Deformation of Bituminous Mixes, Journal of Road Materials and Pavement Design, Taylor and Francis, Nov 29, 2015 (Published Online).
 - 154 Saboo Nikhil and Kumar Praveen, Use of Flow Properties for Rheological Modelling of Bitumen, **International Journal of Pavement Research and Technology (IJPRT), Elsevier**, Vol 9, No.1, January 2016, pp 63-72.

- 155 Saboo Nikhil and Kumar Praveen, Performance Characterization of Polymer Modified Asphalt Binders and Mixes, Advances in Civil Engineering, Hindwai Publication, January 2016, pp 1-12.
- 156 Saboo Nikhil and Kumar Praveen, Analysis of different test methods for quantifying Rutting Susceptibility of Asphalt Binders, **Journal of Materials in Civil Engineering, ASCE**, Vol 28, No. 7, January 2016, pp1-8.
- 157 Kumar Praveen, Ransinchung G.D R.N., Mehta Mayank Lt. Col. and Saboo Nikhil, A study on Performance of Bituminous Mixes using Falling Weight Deflectometer (FWD) , Indian Highways, Indian Roads Congress, Vol 44, No. 3, March 2016, pp25-37.
- 158 Singh S., Ransinchung G D R N, Sachdeva S N, Kumar P and Parida M, Effect of Modulus of Subgrade Reaction on Thickness of Rigid Pavement-A Case Study, Journal of the Indian Roads Congress, (Discussion paper)Volume 76-4, Jan-March 2016, pp 239-248.
- 159 Singh Bhupendra, Saboo Nikhil and Kumar Praveen, Modelling the Complex Modulus Strain Relationship of Asphalt Binders, **Journal of Petroleum Science and Technology, Taylor & Francis**, Vol 34, No. 13, September 2016, pp1137-1144.
- 160 Saboo Nikhil, Das Bhaskar Pratim and Kumar Praveen, New Phenomenological Approach for Modeling Fatigue Life of Bituminous Mixes, **Construction and Building Materials, Elsevier**, Vol 121, No. 9, September 2016, pp 134-142.
- 161 Jindal Abhishek, Ransinchung R N & Kumar Praveen, Study of Pavement Quality Concrete Aggregates, Journal of Road Materials and Pavement Design, Taylor and Francis, October, 2016, pp 1-31.
- 162 Kumar Praveen, Suman Sanjeev, and Mishra Shambhavi, Shortest Route Finding by Ant System Algorithm in Web Geographical Information System-Based Advanced Traveller Information System, The Journal of Engineering published by the Institution of Engineering and Technology (IET), 2014, pp1-11.
- 163 Anupam Aditya Kumar, Kumar Praveen and Ransinchung G. D. R. N ,Laboratory Study on Performance of Various Agricultural and Industrial Waste Materials in Road Construction” Indian Highways, Indian Roads Congress, Vol 45, No. 5, May 2017, pp13-28..
- 164 Singh Surendra, Ransinchung G D R N and Kumar Praveen, An Economical Processing Technique to Improve RAP Inclusive Concrete Properties, Construction and Building Materials, Elsevier Publication, vol 148, 2017, pp734-747.

- 165 Kumar Praveen, Saboo Nikhil & Radhika, Effect of Sulphur Mixing on Storage Modulus of SBS Modified Bitumen, Indian Highways, Indian Roads Congress, Vol 45, No. 6, June 2017, pp39-50.
- 166 Kumar Praveen, Tiwari Shobhit and Saboo Nikhil, Effect of Temperature on Deflection values obtained using Falling Weight Deflectometer”, Highway Research Journal, Indian Roads Congress, June 2017, pp1-8.
- 167 Kumar Praveen, Saboo Nikhil and Das Bhaskar Pratim, A Comparative Study of Dense and Gap Graded Mixes prepared using Modified binders” (**Discussion Paper**) Journal of Indian Roads Congress, June 2017, pp27-36.
- 168 Singh Bhupendra, Saboo Nikhil and Kumar Praveen, Effect of Short Term Ageing on Creep and Recovery Response of Asphalt Binders, accepted for **Journal of Transportation Engineering, ASCE, Part B, Pavements**. 143(4), October, **2017**
- 169 Singh Bhupendra, Saboo Nikhil and Kumar Praveen, Use of Fourier Transform Infrared Spectroscopy to Study Ageing Characteristics of Asphalt Binders, **Journal of Petroleum Science and Technology**, Vol 35, No. 16, Nov 2017, pp1648-1654.
- 170 Singh Surendra, Ransinchung G D R N and Kumar Praveen, Effect of Mineral Admixtures on Fresh, Mechanical and Durability Properties of RAP Inclusive Concrete, **Construction and Building Materials, Elsevier Publication**, 156, 2017, pp19-27.
- 171 Singh, S., Ransinchung, G.D.R.N., Kumar, Praveen, “Feasibility study of RAP Aggregates in Cement Concrete Pavements” **Road Material Pavement Design**. 629, 2017, pp1–20.
- 172 Singh, S., Ransinchung, G. D. R.N., Debbarma, S., and **Kumar, P.** (2017). “Utilization of reclaimed asphalt pavement aggregates containing waste from Sugarcane Mill for production of concrete mixes.” **Journal of Cleaner Production** 174, 42-52.
- 173 Singh Bhupendra and Kumar Praveen, Investigating the Performance of Conventional Asphalt Binders, European Transport Journal , No. 3, Issue 66, 2017, pp1-9.
- 174 Saboo Nikhil, Kumar Praveen, Singh Bhupendra and Vikram Durgesh, “Study on Viscosity of Conventional and Polymer Modified Asphalt Binders in Steady and Dynamic Shear Domain”, accepted for publication in **Journal of Mechanics of Time-Dependent Materials**.

- 175 Singh Surendra, Ransinchung G D R N and Kumar Praveen, Laboratory Investigation of Concrete Pavements containing Fine RAP Aggregates, **Journal of Materials in Civil Engineering, ASCE**, Vol 30, No. 2, Dec 2017, pp04017279/1-9.
- 176 Saboo Nikhil and Kumar Praveen, Equivalent Slope Method for Construction of Master Curve, Indian Highways, Indian Roads Congress, Vol 46, No. 2, Feb 2018, pp19-28.
- 177 Singh, S., Ransinchung, G. D. R.N., Kumari M., and Kumar, Praveen. "Laboratory investigation of RAP Aggregates for Dry Lean Concrete Mixes." **Construction and Building Materials, Elsevier**, 2018, pp808-816.
- 178 Sharma, S.K., Ransinchung, R.N., and Kumar, P. (2017). "Comparison of permeability and drying shrinkage of SCC admixed with Wollastonite micro fiber and flyash." IJE Transactions B: Applications Vol. 30, No. 11, 1518-1527.
- 179 Kumar Rajiv, Saboo Nikhil, Kumar Praveen and Chandra Satish, Effect of Warm Mix Additives on Creep and Recovery Response of Conventional and Polymer Modified Asphalt Binders, Construction and Building Materials, vol 138, 2017, pp 352-362.
- 180 Kumar Praveen and Kumar Rajiv, Warm Mix Additives in Bituminous Layers of Pavements, Civil Engineering and Construction Review, Vol 31, No. 4, April 2018, pp66-68.
- 181 Saboo Nikhil and Kumar Praveen, Analysis of Creep and Recovery for Modified Binders, Indian Highways, Indian Roads Congress, Vol 46, No. 6, June 2018, pp31-68.
- 182 Kumar Praveen and Mishra Shambhavi, A Review of Ant Algorithm and its Variants in Reference to Vehicle Routing Problems in Transportation Engineering, Highway Research Journal, Indian Roads Congress, Vol 9, No.1 Jan-June 2018, pp43.
- 183 Singh Surendra, Ransinchung G D R N and Kumar Praveen Performance Evaluation of RAP Concrete in Aggressive Environment, **Journal of Materials in Civil Engineering, ASCE**, Vol 30, No. 10, July 2018, pp04018231/1-12.
- 184 Singh, Surender., Shintre D., Ransinchung, G. D.R.N., and Kumar, P., "Performance of fine RAP concrete containing flyash, silica fume and bagasse ash", **Journal of Materials in Civil Engineering, ASCE**, Vol 30, No. 10, July 2018, pp04018233/1-11.
- 185 Kumar Praveen, Gurmish and Mishra Shambhavi, Development of Incident Management System using Ant System Algorithm and Black Board Architecture,

Indian Highways, Indian Roads Congress, Vol 46, No. 10, October 2018, pp39-47.

- 186 Saboo Nikhil, Kumar Rajiv, Kumar Praveen and Gupta Ankit Ranking the rheological response of SBS and EVA modified bitumen using MSCR and LAS test, sent to , Accepted for **Journal of Materials in Civil Engineering, ASCE.**
- 187 Ransinchung G.D R.N., Kumar Praveen, Kumar Brind and Chauhan Arun Prakash, Laboratory Evaluation for the use of Moorum and Ganga Sand in Wet Mix Macadam Unbound Granular Base Course, sent for publication to IRC.
- 188 Gupta Ankit, Kumar Praveen and Rastogi Rajat, Critical Pavement Response Analysis of Low Volume Pavements considering Non Linear Behaviour of Materials, sent to KSCE
- 189 Anupam Aditya Kumar, Kumar Praveen and Ransinchung G. D. R. N., Performance Evaluation of Structural Properties for Soil Stabilized using Rice Husk Ash, sent to Journal of Road Materials and Pavement Design
- 190 Ransinchung GD RN, Kumar Praveen and Jindal Abhishek, Use of Wollastonite Micro Fiber in Self Compacting Concrete as part Replacement of Sand, sent to International Journal of Pavement Research and Technology (IJPRT).
- 191 Sharma Shashikant, Ransinchung GDRN and Kumar Praveen, Micro Fiber Reinforced Paste and Mortar Overlays, sent to International Journal of Pavement Research and Technology (IJPRT)
- 192 Ransinchung GDRN, Kumar Praveen Chauhan Arun Prakash and Anupam Aditya Kumar, Evaluation of Efficacy of Recycled Aggregates for Use in Pavement Quality Concrete under different Moisture States, sent to International Journal of Pavement Research and Technology (IJPRT).
- 193 Jindal Abhishek, Ransinchung RN GD, Kumar Praveen and Mudali AK, Effect of Recycled Concrete Aggregates on Fresh and Hardened properties of PQC Mix, sent to IRC for Publication.
- 194 Kumar Rajiv, Kumar Praveen and Chandra Satish, Evaluation of Warm Mix Asphalt Performance Using Rutting And Fatigue Parameters, sent to Construction and Building Materials, Elsevier
- 195 Singh Varun, Singh Tarun and Kumar Praveen, Spatial Database Models for Web GIS Based ATIS for Transition Countries, sent to International Journal of Intelligent Transportation Systems Research.
- 196 Jindal Abhishek, Ransinchung G D R N and Kumar Praveen, Rehabilitation Prospects of Concrete Pavements with Self Compacting Concrete Containing Wollastonite Micro-Fiber, sent to Construction and Building Materials.

- 197 Saboo Nikhil and Kumar Praveen, Rheological investigation of SBS and EVA modified bitumen using MSCR and LAS test, sent to Springer Journal.
- 198 Saboo Nikhil and Kumar Praveen, Investigating the rheological response of SBS and EVA modified bitumen using MSCR and LAS test" sent to the Journal of Testing and Evaluation.
- 199 Sharma, S.K., Ransinchung, R.N., and Kumar, P., "Retrofitting of PQC with Wollastonite Micro Fiber Reinforced SCC." , International Journal of Concrete Structures and Materials (IJCS), IJCS-D-17-00428. (SCI) Under consideration.
- 200 Singh, S., Ransinchung, G.D.R.N., and Kumar P., "Effect of mineral admixtures on properties of dry lean concrete containing coarse RAP aggregates." Sent to **J. Trans. Eng., ASCE**.
- 201 Kumar Praveen and Verma Ankit, Use of Anti Stripping Agent in Modification of Bitumen, sent to IRC.
- 202 Kumar Praveen and Ojha Anshul, Coir Reinforcement in Non- Bituminous Layers of Pavement, sent to IRC.
- 203 Saboo Nikhil and Kumar Praveen Shear Rate Dependence of Asphalt Binders for Evaluation of Mixing And Compaction Temperatures, sent to IRC.
- 204 Kumar Praveen, Walia Ashish and Chaudhary Aditya, "Effect of Seasonal Variation on FWD Response of Low Volume Road", Sent to Journal of Indian Road Congress, New Delhi.

Papers Published in Important Conferences/ Seminars/Magazines

1. Gupta A.K., Jain S.S. and Kumar Praveen, Traffic Flow Behaviour on Single Lane and Double Lane Intercity Roads on an Identified Route, 71st Annual Conference, The Institution of Engineers (India), Nov. 1991, pp. 21-25.
2. Parasher, B.L. and Kumar Praveen, Road Construction Materials Developed by Central Road Research Institute, Technical Conference on New Technologies, Pilani (Raj.), Sept. 1994, pp. 34.
3. Kumar Praveen, Kumar Ashok, Chandra Jagdish, Gupta A.K., Need and Impact of Rural Roads, International Conference on Roads and Road Transport (ICORT-95), New Delhi organised by University of Roorkee, Dec. 95, pp. 1493-1500.
4. Kumar Ashok, Kumar Praveen, Mathur Sudhir, and Murty A.V.S.R., Standards for Design of Rural Roads, International Conference on Roads and Road Transport (ICORT-95), New Delhi, organised by University of Roorkee, Dec. 95, pp. 1501-1508.
5. Kumar Praveen and Murty A.V.S.R., Research and Marketing View, National Seminar on Research Achievements, 29-31 Aug., 1996, pp. 59-60.
6. Parashar B.L. and Kumar Praveen, Road Research and Construction Technology, National Seminar on Research Achievements, 29-31 Aug.1996, pp. 69-70.
7. Kumar Praveen, Kumar Ashok and Gupta A.K., Planning Strategies for Rural Roads, Seminar on Perspective Planning for Road Development in India, Indian Roads Congress, New Delhi, 7-8 Oct., 1996, pp. 163-167.
8. Kumar Praveen, Mathur Sudhir and Murty A.V.S.R., Use of Steel Slags in Road Construction, National Seminar on Environment, Pune, 10-12 Dec., pp. 54-55.
9. Kumar Praveen, Mathur Sudhir and Murty A.V.S.R., Use of New Road Construction Technologies, National Seminar on Modern Technologies and Rural Development, NISTAD, New Delhi, 27-29, March, 1997, pp. 54-55.
10. Kumar Praveen, Swami, R.K., Kumar Ashwani and Murty, A.V.S.R., Use of Marginal Materials in Road Construction, National Seminar on Environment Pollution, Central Building Research Institute, Roorkee, 15 Sept., 1997, pp. 1B(4)/1-3.
11. Mathur Sudhir, Kumar Praveen and Murty A.V.S.R., Steel Industry Wastes as New Materials for Road Construction, Fourth International Conference on Case Histories in Geotechnical Engineering, St. Louis, USA, 8-15 March, 1998, pp. 9.03/1-4.

12. Mathur S., Kumar Praveen, Swami, R.K., and Murty A.V.S.R., Structural Evaluation of Slag Mixes for Road Pavements, Indian Geotechnical Conference 1997, Baroda, Nov., 1997. pp. 411-413.
13. Kumar Praveen, Murty A.V.S.R. and Gupta A.K., Home Made Technologies in Reverse Direction, National Conference on Liberalization, Lucknow, No. 97, pp.27.
14. Jain S.S., Kumar Praveen, Application of Intelligent Transport System in India, proc. of International Seminar on Highway Management & Safety Devices, IRC, New Delhi, Nov. 6-7, 1998.
15. Kumar Praveen, Jain S.S. and Singh D.V., Facility Based Rural Road Transportation Planning, Seminar on "Road Transportation-Issues and Strategies (RTIS 98), Patiala, October 23-24, 1998.
16. Kumar Praveen, Jain S.S. and Kumar Ashwani, Use of Steel Industry Waste in Road Construction, Technical Session, 78th AGM, U.P. State Centre, The Institution of Engineers (Lucknow), Nov. 1998.
17. Kumar Praveen, Chandra D. and Murty A.V.S.R., Steel Industry Slag-Waste or Gold for Road Construction, proc. of International Symposium on Beneficiation, Agglomeration and Environment (ISBAN-99), Bhubneshwar, Jan. 20-22, 1999, pp. 298-305.
18. Kumar Praveen, Jain S.S., A Network Approach to Rural Road Planning, proc, of South Asian Countries Conference on Challenges to Architects and Civil Engineers, **Kathmandu, Nepal**, April 7-9, 1999, pp. 1290-1305.
19. Kumar Praveen, Kumar Ashwani and Jain S.S., Use of Non Conventional Materials in Road Construction, proc. of National Seminar on User & Environment Friendly Construction Technology and Methods, Nainital, May 14-15, 1999.
20. Kumar Praveen, Jain S.S., Equipments for Pavement Condition Assessment, Proc. of "International Seminar on Highway Rehabilitation and Maintenance" organised by IRC, New Delhi, Nov. 12-13, 1999.
21. Kumar Praveen, Kumar Ashwani, Mathur Sudhir, Utilization of Industrial Solid wastes in Road Construction, International Conference on " Environmental Challenges for the New Millenium (ECNM99), organised by Jamia Millia Islamia, New Delhi, Nov. 25-27,1999.
22. Jain S.S., Kumar Praveen, Traffic Control of Inter-state Highway Corridors using Intelligent Transport System Technique, Proc of All India Seminar on "

- Development of Inter-state Highway Corridors in India” organised by American Society of Civil Engineers- India Section, Calcutta, Dec 3-4, 1999.
23. Kumar Praveen, Jain S.S., and Parida M., Non-Motorised Transport, 79th Annual Technical Volume published by The Institution of Engineers (India), UP State Centre, Lucknow, Dec.24-25, 1999.
 24. Kumar Praveen and Jain S.S., “Utilisation of Non Conventional Materials in Road Construction”, Proc of Second Asia Pacific Conference & Exhibition on Transportation and the Environment, **Beijing, P.R.China**, April 11-13,2000.
 25. Kumar Praveen, Jain S.S.Jain and Parida M., “Future of Non-Motorised Transport in Developing Countries” Proc of CODATU Conference, Mexico, April,2000.
 26. Kumar Praveen, Kumar Ashwani and Swami R.K., Utilization of Industrial Solid Wastes in Road Construction, proc of National Conference on Commercialization Aspects of Renewable Energy Sources, Udaipur, April 28-29, 2000.
 27. Kumar Praveen and Jain S.S., Incident Management Using Intelligent Transport System, Seminar on “Financing, Implementation and Operation of Highways in 21st Century, Indian Roads Congress, New Delhi, Sept. 24-25, 2000, pp III 1-10.
 28. Kumar Praveen, Flyash Utilisation in Road Embankment of Indo-Japan Friendship Bridge, 80th Annual Technical Session, Lucknow, UP State Centre, The Institution of Engineers (India), December 23, 2000 pp49-55.
 29. Kumar Praveen and Jain S.S., Planning of Rural Road Network-An Engineering Approach, 80th Annual Technical Session, Lucknow, UP State Centre, The Institution of Engineers (India), December 23, 2000 pp 56-63.
 30. Kumar Praveen, Jain S.S. and Singh D.V., Computer Aided Design of Rural Road Networks, Proc. of seminar on “National Connectivity Vision: Surface Transportation & Communication” Jan 19-20, 2001, Secundrabad (AP).
 31. Chandra S., Kumar Praveen and Abesha Berhanu, Effect of Filler on Properties of Bituminous Mixes, Proc. of seminar on Challenges for Road Transportation in 21st Century leading to Fuel Economy (CERT-2001), Patiala, Feb 23-24, 2001, pp38-44.
 32. Hardas M.K., Jalla Raj and Kumar Praveen, Education, Employment and Information Technology in Current Scenario, Proc. of Seminar on Reforms in Technical Education, UOR, Roorkee, March 26-27, 2001, pp91-93.
 33. Kumar Praveen and Chandra Satish, Accessibility Planning for Sustainable Development of Uttaranchal, Proc. of All India Seminar on Infrastructure

- Development in Uttaranchal, Problems and Prospects, The Institution of Engineers (I), Roorkee, October 11-13, 2001, ppIII34-44.
34. Kumar Praveen, Mathur Sudhir, Kumar Ashwani and Swami R.K., Appropriate Technology for Use of Local Resources in Road Construction, Proc. of International Seminar on Sustainable Development in Road Transport, Organised by Indian Roads Congress, New Delhi (India) and PIARC, Paris(France), Nov 8-10, 2001, ppI295-305.
 35. Kumar Praveen, Mathur Sudir, Kumar Ashwani and Swami R.K., New Materials for Road Construction, Proc. of National Conference "Advances in Construction Materials, Organised by R.E.C.Hamirpur, dt April 8-9, 2002, pp44-52.
 36. Chandra Satish, Kumar Praveen and Moustafa Ahmed Kamel, Geosynthetic in Highway and Airport Construction,, Proc. of National Conference "Advances in Construction Materials, Organised by R.E.C.Hamirpur, dt April 8-9, 2002, pp175-180.
 37. Chandra Satish and Kumar Praveen, Engineering Properties of Bituminous Concrete with Marble Dust, Proc of 4th International Conference on Road & Air Field Pavement Technology, Kunming, Yunnan Province, P.R.China, April 23-25, 2002, pp1009-1016.
 38. Kumar Praveen and Reddy Dhanunjay, "Intelligent Transport System-A Tool for Traffic Engineering", proc of National Seminar on Road Transport in India: Emerging Trends & Techniques ROTRAN 2002, IIT Kharagpur, September 12-13, 2002.
 39. Kumar Praveen and Reddy Dhanunjay, Intelligent Transport System, 82nd Technical Session, The Institution of Engineers, UP State Centre, Lucknow October 26, 2002.
 40. Kumar Praveen, Reddy D. and Singh Varun, Intelligent Transport System Using GIS, Paper No. 164, Proceedings of Map India 2003, 6th Annual International Conference, Delhi, Jan 28-31, 2003, pp1-11.
 41. Mehndiratta H.C., Kumar Praveen and Sreedhar M.V.Maruthi, Studies on Durability of Jute Geo Textiles in Embankments, Proc of Applications of Jute Textiles & Innovative Jute Products, New Delhi, Aug 25-26, 2003, pp 101-112
 42. Kumar Praveen, Singh Varun and Reddy D., GIS Based Advanced Traveler Information System for Hyderabad City, Proc of International Conference on Intelligent Transportation Systems, **Shanghai, China**, October 12-16, 2003.
 43. Mehndiratta H.C., Kumar Praveen and Padma T., "Use of Natural Geotextiles in Highway Embankments-A Lab Study", Indian Geotechnical Conference on

- Geotechnical Engineering for Infrastructural Development, Roorkee, Dec 18-20, 2003.
44. Kamel M.A., Chandra Satish and Kumar Praveen., "Optimum Position of Geogrid Reinforcement in Soil Subgrade", Indian Geotechnical Conference on Geotechnical Engineering for Infrastructural Development, Roorkee, Dec 18-20, 2003.
 45. Kumar Praveen, Singh Varun, Singh Tarun, 'Role of GIS Based Intelligent Transpotation System in India', 7th International Map India Conference on GIS, GPS and RS, New Delhi, Jan 28-30, 2004.
 46. Kumar Praveen and Singh Varun, 'Intelligent Transport System for India', National Seminar on Stratergies in Traffic Engineering and Management, STEM-04, Banglore, Feb 16-17, 2004.
 47. Kumar Praveen Arora Manoj and Bains N.S. Maj, , 'Software for Trip Assignment Analysis using Capacity Restrained Method', National Seminar on Strategies in Traffic Engineering and Management, STEM-04, Banglore, Feb 16-17, 2004.
 48. Kumar Praveen Chandra Satish, Singh Varun, Singh Tarun, A Software for Rural Road Accessibility Planning, International Conference on Transportation Systems Planning and Operation (TRANSP02004), Feb 18-20, 2004, IIT Chennai.
 49. Kumar Praveen, Singh Varun and Singh Tarun, 'Intelligent Transportation Systems for Road Transportation in Developing Countries", Proc of 8th AATT Conference, **Beijing, China**. May 26-28, 2004.
 50. Kumar Praveen, Mehndiratta H.C., Durga Rao A.K., Use of Polythene in Flyash-Soil Embankments, Proc of National Symposium on Advances in Geotechnical Engineering NSAGE-2004, Banglore, July 22-23, 2004.
 51. Kumar Praveen and Singh Shailendra Pratap, Use of Reinforced Flyash in Road Sub bases Proc of National Conference on Materials and their Application in Civil Engineering (MACE-2004), NIT, Hamirpur, August 26-27, 2004 pp 137-139.
 52. Singh Varun, Singh Tarun, Langan David and Kumar Praveen, A Framework for Internet GIS based Computerised Visitors Information System for Theme Parks, Proc of 7th International IEEE Conference on Intelligent Transportation Systems, **Washington D.C. USA**, October 3-6, 2004.
 53. Kumar Praveen and Chattaraj Ujjal, Software for Route Assignment by Multi-Path Technique, TRRIFICON 04, National Conference on Traffic Engineering & Road safety in India, Problems and Prospects,, Banglore, Nov 26-27, 2004.
 54. Kamel Moustafa Ahmad, Chandra Satish, Kumar Praveen, Economics of Geogrid Reinforced Flexible Pavement, Proc of InternationalConference on Geosynthetics

- and Geoenvironmental Engineering (ICGGE-2004), IIT Bombay, Dec 8-10, 2004, pp 325-330.
55. Kumar Praveen, Mehndiratta H.C. and Rokade Siddhartha, Use of Reinforced Flyash in Highways, accepted for International Conference on Structural and Road Transportation Engineering (START), IIT Kharagpur, Jan 3-5, 2005.
 56. Mehndiratta, H.C., Kumar Praveen and Singh Lakshman Kh., Laboratory Study on Rheological and Conventional Properties of Modified Bitumen, ART-2005, National Conference on Advances in Road Transportation, NIT, Rourkela, Feb 12-13, 2005, pp 526-536
 57. Kumar Praveen and Singh Shalendra Pratap, Reinforced Flyash in Road Subbases, ART-2005, National Conference on Advances in Road Transportation, NIT, Rourkela, Feb 12-13, 2005, pp497-501
 58. Singh Shalendra Pratap and Kumar Praveen, Utilization of Reinforced Fly Ash in Road Transport Sector, Proc of Seminar Prithvi-2005, Global Eco Meet, Thiruvananthapuram, Kerala, Feb 19-28, 2005.
 59. Mehndiratta H.C., Kumar Praveen and Kh. Lakhsman Singh, Influence on Rheological Properties of Modified Bitumen at Higher Temperatures, 2005 International Symposium on Pavement Recycling, **Brazil**, March 14-16, 2005.
 60. Kamel Moustafa Ahmed, Chandra Satish and Kumar Praveen, Deformation Characteristics of Geogrid-Reinforced Base Material Under Repeated Loading, 5TH ICPT, **Seoul, Korea**, May 10-12, 2005.
 61. Kumar Praveen, Use of Steel Industry Byproducts in Road Construction, Fourth International Conference on Maintenance and Rehabilitation of Pavements and Technological Control, University of Ulster, **Northern Ireland, UK**, Aug 18-19, 2005.
 62. Kumar Praveen, Singh Varun and Singh Tarun, Intelligent Transport Systems for Road Infrastructure in India: Present & Future, 7th Asia –Pacific ITS Forum and Exhibition, New Delhi, Aug 9-11, 2005.
 63. Kumar Praveen and Singh Varun, Scope of Intelligent Transportation Systems, Proc. of Seminar on High Speed Corridors, organized by Indian Roads Congress (IRC), New Delhi, Sept 23-24, 2005, pp 185-192.
 64. Singh Shalendra Pratap, Kumar Praveen, Utilisation of Fibre Reinforced Flyash in Road Subbases, Proc of International Congress on Flyash, Organised by TIFAC, Department of Science and Technology, New Delhi, Dec 4-7, 2005.

65. Singh Varun, Kumar Praveen and Kotzinos Dimris, A Framework for Web GIS Based Computerized Traveler Information and Decision Support System for Metropolitan Cities in India, Proc of MAP INDIA-2006, International Conference at New Delhi, Jan 30.-Feb 1, 2006.
66. Kumar Praveen and Singh Varun, Emergence of Intelligent Transport Systems in India: Some Research Initiatives, Indo- Australian Conference on Information Technology in Civil Engineering (IAC-ITCE), organized by Australian High commission and IIT Roorkee, Feb 20-21, 2006.
67. Singh Kh. Lakshman, Mehndiratta H.C. and Kumar Praveen, Rheological Behaviour of Polymer Modified Bitumens, Indo- Australian Conference on Information Technology in Civil Engineering (IAC-ITCE), organized by Australian High Commission and IIT Roorkee, Feb 20-21, 2006.
68. Kumar Praveen, Chandra Satish and Sinha A.K., Use of Locally Available Materials in Sub-bases, Proc. of International Seminar on "Innovations in Construction and Maintenance of Flexible Pavements, Agra, Indian Roads Congress, Sept 2-4, 2006.
69. Kumar Praveen, Singh Nalini and Jami Ramakanth T.V., GIS Based Rural Road Network Planning, Proc. of National Conference on Civil Engineering: Meeting the Challenges of Tomorrow (CEMCT-2006)., Ludhiana, Nov 24-25, 2006.
70. Kumar Praveen and Lal M.K., Design of PMGSY Roads, Proc. of National seminar on Roads 2007, Belgaum, (Karnataka), March 1 &2, 2007.
71. Kumar Praveen, Mehndiratta H.C. and Singh Lakshman Kh., Rheological Properties of Modified Bitumens at High Temperatures, ROAD 07, National Conference on Trends in Road Making Materials, Methods & Machines-for Quality, Economy and Speed, Bhopal, April 21-24, 2007.
72. Kumar Praveen, Use of Local Materials in Rural Road Pavements, National Conference on Rural Roads, National Rural Roads Development Agency, May 22-24, 2007, pp123-131.
73. Kumar Praveen, Reinforced Flyash in Highway Embankments of India, Grameen Sampark, Special Issue for National Conference on Rural Roads, National Rural Roads Development Agency, May 22-24, 2007, pp 30-37.
74. Kumar Praveen and T.V.Ramakanth Jami, GIS Based Rural Road Connectivity Planning to Discourage Migration, World Congress 2007 on Urban Infrastructure in Developing Countries, organised by World Federation of Engineering Organisations & The Institution of Engineers (India), New Delhi, Nov 13-14, 2007, pp II 55-61.

75. Kumar Praveen, Disposal of Solid Wastes in Road Construction, Seminar on urbanization in the Present Global Scenario, organized by American Society of Civil Engineers (ASCE), India Section, Kolkata, Dec 7-8, 2007.
76. Kumar Praveen, .Lal M.K. and Patel. Vishal, Computerised Design of Roads for PMGSY” National Conference on Emerging Technologies in Civil Engineering (NCETCE-2008), Ahmednagar, Maharashtra, Feb 28-29, 2008, pp266-276.
77. Kumar Praveen, Deepti Avirneni and Gupta Ankit, Effect of Various Parameters over Cost of Rural Roads, National Conference on Infrastructure Development in Civil Engineering (IDCE-2008), Hamirpur, May 16-17, 2008.
78. Kumar Praveen and Singh Varun, Advanced Traveler Information System for Developing Countries, 23rd ARRB Conference **Adelaide, Australia**, July 2008.
79. Kumar Praveen, Singh Varun & Suman Sanjeev, Traveller Information System for Mixed Traffic in India, International Workshop on Best Practices to Relieve Congestion on Mixed-Traffic Urban Streets in Developing Countries, IIT Madras, September 12-14, 2008, pp53-61.
80. Kumar Praveen and Singh Varun, Advanced Traveller Information System for Metropolitan Cities in India, 8th International Workshop on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2008), organised by IIT Bombay, Mumbai Dec 3 – 6, 2008.
81. Gupta Ankit, Rastogi Rajat and Kumar Praveen, Flexible Pavement Performance Models: A Review, 8th International Workshop on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2008), organised by IIT Bombay, Mumbai, Dec 3 – 6, 2008.
82. Kumar Praveen , Mehndiratta H.C. and Immadi Satish, Investigation on Fiber Modified Bituminous Mixes-An Experimental Study in India, **TRB Annual 88th Conference, Washington D.C. USA**, Jan 11-15, 2009, pp1-19.
83. Kumar Praveen, Use of Local Materials, in Rural Roads Construction, Grameen Sampark, PMGSY Magazine, New Delhi, 2009, pp 10-19.
84. Kumar Praveen and Gupta Pankaj, Use of Waste Plastics in Bituminous Layer of Pavement (Key Note Paper), International Conference on Pavement Engineering, Bhubaneswar , Feb14-15, 2009, pp 85-94.
85. Kumar Praveen and Lakshman Kotkar Kishor, Effect of Non-Stirring on Behaviour of CRMB, International Conference on Pavement Engineering, Bhubaneswar , Feb14-15, 2009, pp 66-70.

86. Gupta Ankit, Kumar Praveen and Rastogi Rajat, Overview of Flexible Pavement Performance Models: An Indian Experience, International Conference on Pavement Engineering, Bhubaneswar, Feb14-15, 2009, pp14-29.
87. Jain Mukesh Kumar, Ankit Gupta and Kumar Praveen, Comparison of Long Term and Short Term Ageing Effect on Bitumen, Symposium on research in Civil Engineering, IIT Madras, Chennai, March 5-6, 2009, pp 183-184.
88. Kumar Praveen and Sajid M.D.A., Asset Management of Rural Roads-Need & Present Status, National Workshop on Asset Management, organized by NRRDA at Hyderabad, April 28-29, 2009.
89. Kumar Praveen and Gupta Ankit, Provision of Rigid, Semi Rigid and Flexible Pavements as Rural Roads, National Conference on Sustainable Concrete Infrastructure Development SCID-2009, Jaipur, May 19-20, 2009 pp 315-323.
90. Gupta Ankit, Kumar Praveen and Rastogi Rajat, Review of Finite Element Based Studies in Flexible Pavement Performance Analysis, Proceedings of Civil Engineering Conference-Innovation Without Limits (CEC-09), Hamirpur, 18th - 19th September, 2009, pp 637-644.
91. Kumar Praveen and Suman Sanjeev, Public Transportation Systems with ITS Technologies, Proceedings of Civil Engineering Conference-Innovation Without Limits (CEC-09), Hamirpur, 18th - 19th September, 2009, pp 294-302.
92. Kumar Praveen and Bhutani Akhil, "Studies on Permeability of Various Granular Materials", Proceedings of National Workshop on Stabilisation of Soil and Granular Layers for Pavements, PEC University of Technology, Chandigarh, October 24, 2009.
93. Kumar Praveen and Sharma Shashikant, "Studies on Base and Sub-base Courses", Proceedings of National Workshop on Stabilisation of Soil and Granular Layers for Pavements, PEC University of Technology, Chandigarh, October 24, 2009.
94. Gupta, Ankit., Kumar Praveen and Rastogi, R., "Rating Based Performance Evaluation of Low Volume Hill Roads", Proc., of Uttarakhand State Science and Technology Congress, 4th USSTC, G. B. Pant University of Agriculture and Technology, Pantnagar, Nov 10-12, 2009, pp191.
95. Kumar Praveen and Kumar Ashok, Facility Based Planning of Rural Road Network, Proc of PIARC International Seminar on Sustainable Maintenance of Rural Roads, Rural System and Accessibility to Rural Areas at Hyderabad, organized by NRRDA, Jan 21-23, 2010.

96. Kumar Praveen, Dynamic Advanced Traveler Information System for Developing Countries, Proc. of Indo-US Workshop on Emerging Trends in Intelligent Transportation Systems, organized by IIT Madras, Feb 11-13, 2010.
97. Kumar Praveen and Gupta Ankit, "Case Studies on Failure of Bituminous Pavements" Proc. of International Conference on Pavement Preservation, California, USA, April 13-15, 2010.
98. Kumar Praveen, Road Construction by Waste Materials (Key Note Paper), Proc. of National Seminar, Construction Materials, organized by CRRI, May 12-13, 2010, pp 1-9.
99. Kumar Praveen and Anand P. Maj, Laboratory Study on Performance of Mastic Asphalt, 24th ARRB Conference, Melbourne, Australia, Oct 12-15, 2010.
100. Gupta Ankit, Kumar Praveen and Rastogi Rajat, Application of Finite Element Based Models in Flexible Pavement Performance Analysis, International Conference on Developments in Road Transportation, Rourkela, Oct 8-10, 2010, pp 692-702.
101. Kumar Praveen, Suman Sanjeev and Singh Varun, Traveller Information System For Mixed Traffic In India, Conference on Infrastructure, Sustainable Transportation and Urban Planning CISTUP 2010, Indian Institute of Science, Bangalore, Oct 18-20, 2010, pp64.
102. Gupta, Ankit., Kumar Praveen and Rastogi, R., Field and Laboratory investigations on Subgrade Layer of Low Volume Roads, GEOTrendz, Indian Geotechnical Conference, IIT Bombay, Dec 16-18, 2010, pp1019-1022.
103. Gupta, Ankit., Kumar Praveen and Rastogi, Field and Laboratory investigations on Subgrade Layer of Low Volume Roads, Conference on Infrastructure, Sustainable Transportation and Urban Planning CISTUP 2010, Indian Institute of Science, Bangalore, Oct 18-20, 2010, pp33.
104. Kumar Praveen, Suman Sanjeev and Meena Rishi Kesh, Advanced Traveller Information System for Jaipur City, Proc of National Workshop on Road Infrastructure & Traffic Planning in Jaipur City, Jaipur, Jan 29, 2011, 63-78.
105. Kumar Praveen, Improving Efficiency of Transport System with Advanced Traveler Information System (ATIS), International Conference on Intelligent Transport Systems (India), Feb 21-22, 2011.
106. Kumar Praveen, Singh Shalendra Pratap & Anupam Aditya Kumar, Reinforced Fly Ash Sub-Bases in Rural Roads in National Workshop on Utilization of Fly Ash , SVNIT Surat, Gujarat, June 10, 2011.

107. Kumar Praveen, Nagarwal Raj Kumar, Incident Management System For Chandigarh City, Geo-Spatial Technologies and Applications, Geo Summit-2011, Satyabhama University, Chennai, July 27-29, 2011.
108. Gupta Ankit, Kumar Praveen and Rastogi Rajat, Rating Based Approach For Performance Evaluation of Low Volume Roads, International conference on Advances in Materials and Techniques for Infrastructure Development (AMTID 2011), National Institute of Technology Calicut, September 28-30, 2011
109. Ransinchung G.D.R.N, Kumar Praveen & Chauhan Prakash Arun, Review on Use of Recycled Aggregates in Concrete, Recent Advances in Civil Engineering” RACE-2011 Oct. 14 - 16, 2011, IT-BHU, ISBN 978-81-921121-0-7, pp 210-214.
110. Kumar Praveen, Ransinchung G.D.R.N & Jindal Abhishek, Review on Self Compacting Concrete, Recent Advances in Civil Engineering” Recent Advances in Civil Engineering” RACE-2011 Oct. 14 - 16, 2011, IT-BHU, ISBN 978-81-921121-0-7, pp445-49.
111. Ransinchung G.D.R.N, Kumar Praveen & Kumar Brind, A Pragmatic Approach of Potholes Repair under Indian Service Conditions, Recent Advances in Civil Engineering” RACE-2011 Oct. 14 - 16, 2011, IT-BHU, ISBN 978-81-921121-0-7, pp 551-557.
112. Kumar Praveen, Ransinchung R.N.G.D., Anupam Aditya Kumar, Laboratory Evaluation to Study the Engineering Behaviour of Slag Cement for Soil Subgrade, Proc of 2nd International Conference on Current Trends in Technology, NUI Cone - 2011, Dec 8-10, 2011, Ahmedabad, ISBN 978-81-923049-0-8, pp-1-6
113. Khan Md Tanveer and Kumar Praveen, Utilization of waste material in transportation engineering: a sustainable perspective, Proc of 1st conference of Transportation Research Group of India (CTRG), Bangalore, Dec 7-10, 2011, pp 1-7.
114. Kumar Praveen, Ransinchung G D R.N & Anupam Aditya Kumar, ‘Waste Materials - An Alternative To Conventional Materials In Rural Road Construction, PMGSY Workshop, NRRDA, New Delhi, Feb 18, 2012.
115. Anupam Aditya Kumar, Kumar Praveen and Ransinchung G.D R N, Stabilizing the subgrade with slag content-A Laboratory Study, Proc of Advances in Mechanics and materials RAMM-2012, VSS University of Technology, Burla, Odisha, Feb 25-26, 2012, pp337-345.
116. Kumar Praveen and Suman Sanjeev, Advanced Public Transport System using MapServer and Ant Algorithm, National Get Together (NGT-2012) on Road

- Research and its Utilisation, Central Road Research Institute, New Delhi, March 1-2, 2012, pp17-19.
117. Kumar Praveen, Khan Tanveer Md. and Singh Maninder, Effect of Polymer Modification on the Conventional properties of the Bitumen, International Conference on Emerging Trends in Engineering and Technology, Teerthankar Mahaveer University, Moradabad, April 6-7, 2012, pp 1-5.
 118. Anupam Aditya Kumar, Kumar Praveen and Ransinchung G D R.N, Analysing the suitability of Waste Materials for Road Construction, International Conference on Emerging Trends in Engineering and Technology, Teerthankar Mahaveer University, Moradabad, April 6-7, 2012, pp 1-6.
 119. Gupta A., Kumar P. & Rastogi R., Effect of Environmental Factors on Flexible pavement Performance Modelling-A Review, Proc of International Conference on Highway Engineering 2012, Bangkok, **Thailand**, April 18-20, 2012, pp203-210.
 120. Gupta A., Kumar P. & Rastogi R., Investigations Using DCP on Subgrade Layer of Low Volume Roads, Proc of International Conference on Highway Engineering 2012, Bangkok, **Thailand**, April 18-20, 2012, pp211-218.
 121. Gupta A., Kumar P. & Rastogi R., Pavement Deterioration and Maintenance Model for Low Volume Roads, Proc of International Conference on Highway Engineering 2012, Bangkok, **Thailand**, April 18-20, 2012, pp381-388.
 122. Kumar Praveen and Maninder S., Evaluation of Aging Effect of Properties of Virgin and Polymer Modified Bitumen, Proc of International Conference on Highway Engineering 2012, Bangkok, **Thailand**, April 18-20, 2012, pp437-441.
 123. Anupam A.K., Kumar Praveen and Ransinchung G.D., A Comparative Study of Sugarcane Bagasse Ash & Fly Ash for Use in Pavement Construction, Proc of International Conference on Highway Engineering 2012, Bangkok, **Thailand**, April 18-20, 2012, pp469-474.
 124. Kumar Praveen and Singh Maninder, Mixing and Compacting Temperatures for Binders, Proc of Conference on CSIR-CRRI Diamond Jubilee , New Delhi, July 16, 2012, pp30-32
 125. Kumar Praveen and Khan Md Tanveer, Modified Bituminous Binders, AET-ACE2011 26th Engineering Congress, Dec 15-18, 2011.
 126. Ransinchung G.D, Kumar Praveen and Sharma Pooja, Stabilization of Clayey Soil with Fines from Waste Crushed Concrete Cubes for Construction of Pavements, Proc of International Conference on Engineering and Information Technology "ICEIT2012, Toronto, Canada, ISBN 978-1-77136-064-7, Sept 17-18, 2012, pp24-28.

127. Ransinchung G.D, Kumar Praveen and Batar Sandeep, Review of Studies on Computer Aided Pavement Design, Proc of International Conference on Recent Advances in Engineering , Technology and Management, SPICON-Civil, May 31-June 2, 2012,
128. Singh Maninder and Kumar Praveen, Effect of Ageing on Physical and Rheological Properties of Modified Bitumen, 25th ARRB Conference, Perth, **Australia**, Sept 23-26, 2012
129. Anupam Aditya Kumar, Ransinchung G.D and Kumar Praveen, Influence of Recycled Fines Obtained from Demolished Concrete Slabs for Use in Pavement Quality Concrete Construction, 28th ARRB Conference-Shaping the Future:Linking Policy and Outcomes, **Perth, Australia**, Sept , 2012, pp1-9.
130. Kumar Praveen and Singh Maninder, Effect of Binder and Aggregate on Optimum Binder Content on Bituminous Mix, National Seminar on “Role of Infrastructure for Sustainable Development”, 28th National Convention of Civil Engineers, The Institution of Engineers, Roorkee, October 12-14, 2012, pp600-605.
131. Kumar Praveen, Ransinchung G.D and Kumar Sharad, Studies on Use of Modifiers in Bituminous Mixes -A Review, National Seminar on “Role of Infrastructure for Sustainable Development”, 28th National Convention of Civil Engineers, The Institution of Engineers Roorkee, October 12-14, 2012, pp638-647. **(Best Paper of the Session Award)**
132. Kumar Praveen, Ransinchung G.D and Anupam Aditya Kumar, Application of Industrial and Agricultural Waste Materials for Highway Construction, National Seminar on “Role of Infrastructure for Sustainable Development”, Roorkee, October 12-14, 2012, pp737-747.
133. Singh Maninder, Kumar Praveen and Maurya M.R., Effect of Mineralogy of Aggregates on Moisture Susceptibility of Bituminous Mixes, 10th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2010), organised by IIT Bombay, Mumbai Dec 12-14, 2012, pp27-33.
134. Anupam Aditya Kumar, Kumar Praveen and Ransinchung G.D., Influence of Rice Husk Ash and Fly Ash on Strength Behaviour of Subgrade Soil for Pavement Construction, 10th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2010), organised by IIT Bombay, Mumbai Dec 12-14, 2012, pp72-82.
135. Anupam Aditya Kumar, Kumar Praveen and Ransinchung G.D., Laboratory Study on Permanent Deformation Behaviour of Soil Admixed with Bagasse Ash under

- Repeated Triaxial Loading, Advances in Geotechnical Engineering, Indian Geotechnical Conference, IGC-2012, IIT Delhi, Dec 13-15, 2012, pp159-162.
136. Singh Maninder, Kumar Praveen, Maurya M.R., "Evaluating the Effect of Polymer modification on physical and rheological properties of conventional bitumen", International Conference on Advances in Architecture and Civil Engineering, India, June 2012, Vol 1, pp 481-484.
 137. Kumar Praveen and Suman Sanjeev, Route Guidance and Ant Administrative System in Web GIS based Advanced Public transport System (APTS), National Workshop on Sustainable Transportation for Indian Cities (STIC 2013), organized at CRRI, New Delhi, March 22, 2013.
 138. Singh Maninder, Kumar Praveen, "Laboratory study of skid resistance and rutting of bituminous concrete", The Seventh International Conference on Maintenance And Rehabilitation of Pavements and Technological Control, New Zealand Aug 28-30, 2012.
 139. Singh Maninder and Kumar Praveen, Laboratory Study on Skid Resistance and Rutting of SBS Modified Bitumen Mixes, Conference on Evolution in Science and Technology and Eyne on Educational Methodologies (ESTEEM-2013), Hissar, March 3-4, 2013, pp363-366.
 140. Singh Maninder, Kumar Praveen and Kureel Vikas, Review of Studies on Moisture Susceptibility Behaviour of Modified Bituminous Mixes, Conference on Evolution in Science and Technology and Eyne on Educational Methodologies (ESTEEM-2013), Hissar, March 3-4, 2013, pp332-337
 141. Singh Maninder, Kumar Praveen and Goyal Manik, Modified Bitumen in Asphalt Concrete Pavements, Conference on Evolution in Science and Technology and Eyne on Educational Methodologies (ESTEEM-2013), Hissar, March 3-4, 2013, pp332-337
 142. Anupam Aditya Kumar, Kumar Praveen and Ransinchung G.D., Influence of Old Wall Plaster Powder on the Performance of DGBM Mixes, Conference on Evolution in Science and Technology and Eyne on Educational Methodologies (ESTEEM-2013), Hissar, March 3-4, 2013, pp357-364
 143. Ransinchung G.D, Kumar Praveen and Marik Supriya, Influence of Old Wall Plaster Powder on the performance of DGBM Mixes, Conference on Evolution in Science and Technology and Eyne on Educational Methodologies (ESTEEM-2013), Hissar, March 3-4, 2013, pp365-369.
 144. Kumar Sharad, Kumar Praveen and Ransinchung G.D, Review of Studies on Moisture Susceptibility Behaviour of Modified Bituminous Mixes, Conference on

- Evolution in Science and Technology and Eyne on Educational Methodologies (ESTEEM-2013), Hissar, March 3-4, 2013.
145. Ransinchung G.D R N, Kumar Praveen and Bera Amit Kumar, Performance Evaluation of Silty Sand subgrade Reinforced with Pine Needle, 2nd International Conference on Emerging Trends in Engineering and Technology, Teerthankar Mahaveer University, Moradabad, April 12-13, 2013, pp1-4.
 146. Sharma Shashikant, Ransinchung G.D R N and Kumar Praveen Difference in loading behaviour between semi rigid and ordinary base course materials, 2nd International Conference on Emerging Trends in Engineering and Technology, Teerthankar Mahaveer University, Moradabad, April 12-13, 2013, pp1-7.
 147. Anupam Aditya Kumar, Kumar Praveen and Ransinchung G.D, Influence of Time Variation on Admixed Soil Swelling Properties, 2nd International Conference on Emerging Trends in Engineering and Technology, Teerthankar Mahaveer University, Moradabad, April 12-13, 2013, pp1-6.
 148. Sharma Shahikant, Ransinchung G. D. R. N. and Kumar Praveen, International Conference on Natural Fibers, Portugal, June 9-11, 2013
 149. Ransinchung G. D. R. N., Kumar Praveen and Bera Amit, International Conference on Natural Fibers, Portugal, June 9-11, 2013
 150. Sharma Shashikant, Ransinchung G D R N, and Kumar Praveen, Effect of Wollastonite Micro Fiber addition in mortar and concrete mixes, ICICI-2013
 151. Shashi Kant Sharma, G.D. Ransinchung R.N., Praveen Kumar, "Difference in loading behaviour between semi rigid and ordinary base course materials", International Conference on 'Emerging Trends in Engineering and Technology', Moradabad, 2013.
 152. Kumar Praveen and Singh Shalendra Pratap, Reinforced Fly Ash Sub Bases in Rural Roads, Geotechnical Advances and Novel Geomechanical Applications (GANGA), IGC-2013, IITR, Dec 22-24, 2013, pp1-6.
 153. Anupam Aditya Kumar, Praveen Kumar and G D Ransinchung R N , Use of Various Agricultural and Industrial Waste Materials in Road Construction, 2nd Conference of Transportation Research Group of India (2nd CTRG), Elsevier, Science Direct, Procedia of Social and Behavioral Sciences, Dec, 2013, pp 264-273.
 154. Anupam Aditya Kumar, Kumar Praveen and Ransinchung R N G D, Resilient Modulus of Treated Expansive Soil from Repeated Tri-axial Test, 13th LJMU Annual International Conference on Asphalt, Pavement Engineering and Infrastructure, Feb 26-27, 2014, **Liverpool, United Kingdom (UK)**, volume 13, ISBN 978-0-9571804-4-4, pp44-47.

155. Kumar Praveen, Ransinchung G.D. and Mehta Mayank (Lt. Col.) Performance Testing of bituminous Mixes using Falling Weight Deflectometer, Conference on Civil Engineering Systems and Sustainable Innovations, Krishi Sanskriti, JNU, ISBN 978-93-83083-78-7, April 25-26, 2014, pp 172-178.
156. Ransinchung G.D. R.N., Kumar Praveen, Jindal Abhishek and Marik Supriya, Influence of Recycled Aggregate on Moisture Damage of Bituminous Mix-A Laboratory Study. Proceedings of International Congress on Natural Sciences and Engineering (ICNSE), **Kyoto, Japan**, May 2014, pp521-531
157. Jindal Abhishek, Ransinchung G.D.R. N. and Kumar Praveen, Recycled Concrete Aggregates for Rigid Pavements: A Review, International Conference on Sustainable Civil Infrastructure (ICSCI 2014), Hyderabad, October 17-18, 2014.
158. Kumar Praveen and Saboo Nikhil, Rheological Investigations of Sulfur Modified Bitumen, International Conference on Sustainable Civil Infrastructure (ICSCI 2014), Hyderabad, October 17-18, 2014.
159. Singh Maninder, Kumar Praveen and Jain Kunal, Use of FTIR Spectroscopy Technique To Study The Effect of Ageing And Bitumen Modification, Conference on Transportation Planning and Implementation Methodology for Developing Countries, organized by IIT Bombay, Dec 10-12, 2014.
160. Kumar Praveen and Saboo Nikhil, Optimum Blending Requirements for EVA Modified Binder, Conference on Transportation Planning and Implementation Methodology for Developing Countries, organized by IIT Bombay, Dec 10-12, 2014.
161. Anupam Aditya Kumar , Kumar Praveen & Ransinchung G. D.R. N., Effect of Fly Ash And Rice Husk Ash On Permanent Deformation Behaviour of Subgrade Soil Under Cyclic Triaxial Loading, Conference on Transportation Planning and Implementation Methodology for Developing Countries, organized by IIT Bombay, Dec 10-12, 2014.
162. Kumar Praveen and Singh Maninder, Rheological Investigation of Modified Binder with Various Aggregates, Invited paper for Workshop on Innovative Construction Machinery, Materials and Methods, (ICMMM-2015), organized by IIT Roorkee and ISCMS, October 26-27, 2015.
163. Saboo Nikhil and Kumar Praveen, Creep and Recovery as a function of Conventional Binders Properties, 3rd Conference of the Transportation Research Group of India CTRG, October 17-20, 2015, Kolkata, India.

164. Saboo Nikhil and Kumar Praveen, Rheological Study on Mixing Temperatures of Modified Binders, 3rd Conference of the Transportation Research Group of India CTRG, October 17-20, 2015, Kolkata, India.
165. Anupam Aditya Kumar, Kumar Praveen, G. D. Ransingchung, R. N., Maninder Singh, "Shear and deformation behaviour of stabilized subgrade soil by fly ash and bagasse ash under repeated compressive load, 3rd Conference of Transportation Research Group of India (3rd CTRG), December 17-20, 2015.
166. Singh, B. and Kumar, P. "Effect of modifiers on the ageing properties of bitumen: A review", 3rd Conference of Transportation Research Group of India (3rd CTRG), December 2015, Kolkata, India.
167. Singh, B., Saboo, N. and Kumar, P., "Effect of spindle diameter and plate gap on the rheological properties of asphalt binders", 4th Chinese European Workshop (CEW 2016), 29th June- 1st July, Delft, Netherlands.
168. Singh, B., Kumar, R. and Kumar, P. "Effect of Chemical Warm Mix Additives on the Properties of Asphalt Binder", National Conference on Role of Civil Engineering in Nation Building (RCNB 2016), 16-17th April, 2016, Roorkee, India.
169. Singh, B., Saboo, N. and Kumar, P. (2016), "Effect of Short Term Ageing on the Rutting Properties of Asphalt Binders", 27th ARRB Conference, Melbourne, Australia. (Full paper submitted).
170. Saboo Nikhil and Kumar Praveen, Predicting of Mixing Temperature of Asphalt Binders using Carreau-Yasuda (C-Y) Equation, National Conference on "Fifteen Years of PMGSY" Aug 6-7, 2016, IIT Roorkee.
171. Singh Maninder and Kumar Praveen, Mixing and Compacting Temperatures for Neat and SBS Modified Bitumen, National Conference on "Fifteen Years of PMGSY" Aug 6-7, 2016, IIT Roorkee.
172. Marik Supriya, Ransinchung R N G D and Kumar Praveen, Review on Use of Recycled Aggregates in Bituminous Mixes, National Conference on "Fifteen Years of PMGSY" Aug 6-7, 2016, IIT Roorkee.
173. Singh Varun, Kumar Praveen and Purwar Vivek Kumar, GIS Framework for Rural Road Accessibility Planning, National Conference on "Fifteen Years of PMGSY" Aug 6-7, 2016, IIT Roorkee.
174. Mishra Shambhavi and Kumar Praveen, Applications of GIS in Road Network Planning, National Conference on "Fifteen Years of PMGSY" Aug 6-7, 2016, IIT Roorkee.
175. Suman Sanjeev and Kumar Praveen, ANT Algorithms for Rural Road Planning, National Conference on "Fifteen Years of PMGSY" Aug 6-7, 2016, IIT Roorkee.

176. Gupta Ankit, Kumar Praveen and Rastogi Rajat, Functional Performance Analysis of Low Volume Roads, National Conference on “Fifteen Years of PMGSY” Aug 6-7, 2016, IIT Roorkee.
177. Singh Bhupendra and Kumar Praveen, Socio-economic Impact of Rural Roads-A Review, National Conference on “Fifteen Years of PMGSY” Aug 6-7, 2016, IIT Roorkee.
178. Sharma Shashikant, Ransinchung R N G D and Kumar Praveen, Rigid Pavements Constructed with WMF Reinforced SCC in Rural Roads, National Conference on “Fifteen Years of PMGSY” Aug 6-7, 2016, IIT Roorkee.
179. Anupam Aditya Kumar, Kumar Praveen and Ransinchung R N G D, Correlations between Geotechnical Strength Parameters for Subgrade Soil Treated with Rice Husk Ash for Rural Road Construction, National Conference on “Fifteen Years of PMGSY” Aug 6-7, 2016, IIT Roorkee.
180. Kumar Rajiv, Kumar Praveen and Chandra Satish, Laboratory Evaluation of Warm Mix Asphalt in India, National Conference on “Fifteen Years of PMGSY” Aug 6-7, 2016, IIT Roorkee.
181. Bhupendra Singh, Kumar Praveen and Shukla Kartikeya, FTIR Analysis of Short Term Aged PMB and WMA Binders, 12th TPMDC, International Conference on Transportation Planning and Implementation Methodologies for Developing Countries, IIT Bombay, Dec 19-21, 2016.
182. Makwana Prakash Kumar, Kumar Praveen, Development of Cost Prediction Model for Rural Road, 12th TPMDC, International Conference on Transportation Planning and Implementation Methodologies for Developing Countries, IIT Bombay, Dec 19-21, 2016.
183. Singh Lakshman kh, Kumar Praveen and Mehndiratta, A Comparative Study on Empirical and Rheological Properties of Modified Bituminous Binders, 12th TPMDC, International Conference on Transportation Planning and Implementation Methodologies for Developing Countries, IIT Bombay, Dec 19-21, 2016.
184. Saboo Nikhil, Singh Bhupendra and Kumar Praveen, Studying the Rutting and Fatigue Properties of Conventional Asphalt Binders, National Conference on Roads and Transport (NCORT-2017), IIT Roorkee, Oct 14-15, 2017.
185. Singh Bhupendra, Saboo Nikhil and Kumar Praveen, Morphological Study of Polymer Modified Binders Ageing, National Conference on Roads and Transport (NCORT-2017), IIT Roorkee, Oct 14-15, 2017.
186. Kumar Rajiv, Kumar Praveen & Chandra Satish, Bituminous Binder Grading Systems an Indian Scenario, National Conference on Roads and Transport (NCORT-2017), IIT Roorkee, Oct 14-15, 2017.

187. Mishra Shambhavi, Gurmish and Kumar Praveen, A Review on Intelligent Incident Management System, National Conference on Roads and Transport (NCORT-2017), IIT Roorkee, Oct 14-15, 2017.
188. Suman Sanjeev and Kumar Praveen, Shortest Route Finding by Ant System Algorithm in a Web GIS Environment, National Conference on Roads and Transport (NCORT-2017), IIT Roorkee, Oct 14-15, 2017.
189. Kumar Praveen, Mishra Shambhavi and Suman Sanjeev, Application of Intelligent Transportation Systems (ITS) for Developing Countries, World Road Meeting (WRM), organised by International Road Federation (IRF), Nov 14-17, 2017.
190. Ransinchung G D R N, Kumar Praveen and Jindal Abhishek, Use of Wollastonite in Pavements, World Road Meeting (WRM), organised by International Road Federation (IRF), Nov 14-17, 2017.
191. Kumar Praveen, Warm Mix Additives, Lucknow Conference on Use of New Technology in Road Construction, Organised by PWD, Uttar Pradesh, Dec 8-9, 2017
192. Sharma Ankit and Kumar Praveen, Use of Warm Mix Additives in Bituminous Layers, International Conference on ADVANCES IN CONSTRUCTION MATERIALS AND STRUCTURES (ACMS-2018), 7-8 March, 2018.
193. Walia Ashish, Kumar Praveen and Jain S.S., “Review on Development of Backcalculation Methodologies adopted for determining Pavement Response using FWD, Proceedings of the 5th Colloquium on Transportation Systems Engineering and Management (CTSEM2018) NIT Warangal, May 17–19, 2018.
194. Walia Ashish, Kumar Praveen and Jain S.S., “Comparison of Various Approaches adopted in Analysis of FWD Response” sent to ICOPAC, CRRI.
195. Sharma Ankit and Kumar Praveen, A Study on Comparative Performance of WMA Additives, 5th Colloquium on Transportation Systems Engineering and Management (CTSEM2018), NIT Warangal, 17–19 May, 2018.
196. Sharma Ankit and Kumar Praveen, Use of recycled material in WMA- Future of Greener Road Construction, International Conference on PAVEMENTS AND COMPUTATIONAL APPROACHES (ICOPAC-2018), 16 – 17 Nov., 2018. **(Abstract accepted, Paper pending)**
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DETAILS OF THESES SUPERVISED

(A) Ph.D.Theses at IIT Roorkee

S N	TITLE OF THESIS	YEAR AWARDED	NAME OF STUDENT	Co- SUPERVISOR
1.	Development of Design Procedure for Reinforced Flexible Pavement	2005	Mr Moustafa Ahmed Kamel Abdel Ghaffar	Dr Satish Chandra
2.	Rheological Behaviour of Bituminous Binders FOR Indian Conditions	2007	Mr K.Lakshman Singh	Prof H.C.Mehndiratta
3.	Reinforced Flyash in Rural Road sub-bases	2007	Mr Shailendra Pratap Singh	-
4.	Methodology for Advanced Traveller Information System for Developing Countries	2007	Mr Varun Singh	-
5.	Study of Sub-base Materials in Rural Roads	2009	Mr Abdhesh Kumar Sinha	Dr Satish Chandra
6.	Web GIS based Advanced Public Transport System Using Mapserver and Ant Algorithm	2012	Mr Sanjeev Suman	-
7.	Structural and Functional Performance Modeling of Low Volume Roads	2012	Mr Ankit Gupta	Dr Rajat Rastogi
8.	Strength Characteristics of Modified Bitumen with various Aggregates	2013	Mr Maninder Singh	Dr M R Maurya
9.	Utilization of Waste Materials in Subgrade of Pavement	2014	Mr Aditya Kumar Anupam	Dr G D Ransinchung R N
10	Use of Wollastonite Micro-Fiber in Rehabilitation of PQC Roads	2015	Mr Shashikant Sharma	Dr G D Ransinchung R N
11	Strength Characteristics of Polymer Modified Asphalt Binders and Mixes	2016	Mr Nikhil Saboo	-
12	Development of Warm Stone Matrix Asphalt	2017	Mr Rajiv Kumar	Prof Satish Chandra
13	Nonlinear Viscoelastic Analysis of Un-aged and Aged Asphalt Binders	2018	Mr Bhupendra Singh	-
14	Development of ITS Architecture for Multi Modal System	2018	Miss Shambavi Mishra	-

15	Structural and Functional Adequacy of Pavements	In Progress	Mr Ashish Walia	Prof S S Jain
16	Modified Bitumen	In Progress	Mr Ankit Sharma	Dr G D Ransinchung R N
17	Study of Cold Mix Technology Materials	In Progress under QIP	Ms Pinki Meena	Dr G D Ransinchung R N
18	Development of Sustainable Construction Product incorporating Zinc Waste	In Progress under QIP	Mr Surendra Kumar Saini	Dr G D Ransinchung R N
19	A Rheological Approach Over Conventional Testing of Bitumen	In Progress	Mr Yogesh Kumar	Dr Sham S Ravindranath (DPT)
20	Architecture for ITS	In Progress	Mr Gurmesh	Prof M Parida

(B) M.Tech. Theses

S N	TITLE OF THESIS	YEAR AWARDED	NAME OF STUDENT	Co- SUPERVISOR
1.	Maintenance Manage System for Rural Roads	1994	Mr Naseem Ahmed	Dr Ashok Kumar
2.	Computer Aided Design of Flexible Pavement Overlays	1999	Mr Raveendra Kumar	Dr Satish Chandra
3.	Laboratory Studies for Use Steel Industry Waste in Bituminous Layer of Pavement	2000	Mr Lalit Narayan Singh	Dr S.S.Jain
4.	Development of an Approach for Intelligent transport System for Urban Areas	2000	Mr Pankaj Singh	Dr S.S.Jain
5.	Effect of Delayed Compaction on Lime-Flyash-Soil Mixes	2000	Mr Rajib Gogoi	Dr H.C. Mehndiratta
6.	Loadman and Benkelman Beam Deflection Studies on Identified Road Sections	2000	Lt.Col.N.K.Sharma	Dr S.S.Jain
7.	Design of Highway Embankments using Flyash in Alternate Layers	2001	Mr Karri Srinivas Rao	Dr H.C. Mehndiratta
8.	Parametric Studies on Flexible Pavement Reinforced with Jute	2001	Mr M.V.Maruthi Sreedhar	Dr H.C. Mehndiratta
9.	Strength Characteristics of Bituminous Concrete with different types of Filler	2001	Mr Berhanu Abesha Feyissa	Dr Satish Chandra
10.	Development of Relationship Between Skid Resistance and Pavement Materials	2001	Mr Mukesh Kumar	Dr S.S.Jain
11.	Incident management Using Intelligent Transport System	2001	Mr Poosarla Eswar Rama Kumar	Dr S.S.Jain
12.	Facility Based Network Planning of Rural Roads Using GIS	2001	Mr Marem Sudhakar	Dr Manoj Arora
13.	Computer Aided Design of Bituminous Mixes for Pavements	2001	Mr. Akhilesh Kumar Maurya	Dr Satish Chandra
14.	Development of Software for trip Assignment in Urban Areas	2002	Maj. N.S.Bains	Dr Manoj Arora
15.	A Parametric Study on reinforced Flyash in Highway Embankments	2002	Mr. Siddhartha Rokade	Dr H.C. Mehndiratta

16.	A Comparative Study on Flexible Pavements Reinforced with Coir/synthetic Geotextiles	2002	Miss Telukuntla Padma	Dr H.C. Mehndiratta
17.	Computer Aided design of Pavement Based on IRC: 37-2001	2002	Mr Sataya Narayain	Dr Satish Chandra
18.	Development of Graphical Interface for Rural Road Accessibility Planning	2002	Mr Varun Singh	Dr Satish Chandra
19.	Development of Intelligent Transport System in GIS Environment	2002	Mr Dhanunjay Reddy	-
20.	Development of a Software for Rural Road Connectivity under PMGSY	2002	Mr Umesh Chandra Sahoo	-
21.	An Analytical Study on Effect of Regional variations on Cost of Rural Roads under PMGSY	2003	Mr Anant Kumar	Dr H.C. Mehndiratta
22.	A Study on Plastic Sheet Reinforced Flyash Embankments	2003	Mr A.K.Durgarao	Dr H.C. Mehndiratta
23.	Resilience Modulus of Reinforced Subgrade Soils	2003	Mr K.Sriniwas Rao	Dr Satish Chandra
24.	Development of Software for Route Assignment using Multipath Technique	2003	Mr. Ujjal Chatraj	Dr Satish Chandra
25.	Intelligent transport System for Delhi Metro Railway	2003	Mr Sunil Kumar	-
26.	Effect of Randomly Distributed Fibers on Fly Ash Embankments	2004	Mr Sejla Chandra Narayan	Dr H.C. Mehndiratta
27.	Comparative Study on Different Subbase Materials	2004	Mr R.Vishal	Dr Satish Chandra
28.	Multi modal Advanced Travelers' Information System for Delhi Metro	2004	Mr K.N.S.S. Yoganand	Mr Atul Agrawal
29.	Effect of Mixing and Compacting Temperature on Physical Properties of Bituminous Mixes	2004	Mr Chandra Kiran Kumar Akisetty	Dr H.C. Mehndiratta
30.	Investigations on Cost Effective Design of Roads under PMGSY	2004	Mr Ramaa Kumar Velicherla	Dr H.C. Mehndiratta
31.	Relationship between Rheological and Conventional Properties of Bitumen	2004	Mr Anil Durga Prasad B.	Dr H.C. Mehndiratta

32.	Use of Fly Ash as Filler in Bituminous Mixes	2005	Mr Virendra Singh	Dr H.C. Mehndiratta
33.	Advanced Traveler Information System for a Metropolitan City	2005	Mr A Venkateswarlu	-
34.	Investigation on Optimal Use of Gravel in Flexible Pavements	2005	Mr Sateesh Kumar M.	Dr H.C. Mehndiratta
35.	Rural Infrastructure Planning with Emphasis on Road Networks	2005	Mr T.V.Ramakanth Jami	Prof Nalini Singh
36.	Software for Pradhan Mantri Gram Sadak Yojna	2005	Mr Mahendra Kumar Lal	-
37.	Planning of Rural Roads in GIS Environment	2006	Mr Anukul Saxena	-
38.	Use of Glass Grid in Pavement Layers	2006	Mr R.Dilip Kumar Reddy	Dr H.C. Mehndiratta
39.	A Parametric Study on Shape of Aggregates Affecting Bituminous Surface of Flexible Pavements	2006	Mr Matin Ahmed	Dr H.C. Mehndiratta
40.	Investigation on Fibre Modified Bituminous Mixes	2006	Mr Satish Immadi	Dr H.C. Mehndiratta
41.	Effect of Jute Textile in Various Layers of Pavement	2006	Mr G.R.Toshniwal	Dr H.C. Mehndiratta
42.	Software Development for Multipath Route Assignment Technique	2006	Mr Ranjeet Kumar	-
43.	Development of Software for Trip Distribution using gravity Method	2006	Miss Renu Vaska	-
44.	A Comparative Study of Emulsion and Modified Bitumen in Road Construction	2007	Mr N.G.Sorum	-
45.	Use of Waste Plastic in Bituminous Layer of Pavement	2007	Mr Pankaj Gupta	-
46.	Performance Study of PMGSY Roads	2007	Mr M.D.A.Sajid	Dr Satish Chandra
47.	Investigation of Reinforced Embankments	2007	Mr M.Ramanjaneya Reddy	-
48.	Behaviour of Granular Materials Under Cycling Loading	2007	Mr S.R.Rajendra Nimani	Dr Satish Chandra
49.	Software for Online Monitoring of Pradhan Mantri Gram Sadak Yojna	2007	Mr Gajendra Kumar Varshney	-

50.	Rheology of Waste Plastic Fiber Modified Bitumen	2008	Miss Rashi Garg	-
51.	Effect of Various Parameters on Performance of PMGSY Roads	2008	Mr Patel Vishal P.	-
52.	Laboratory Study of Low Cost Bituminous Wearing Courses	2008	Mr Nikesh Chandra	-
53.	Land-uses and activity-based traffic forecasting model	2009	Mr Akash Jain	Dr Rajat Rastogi
54.	Planning of Rural Roads using GIS and GPS	2009	Mr A.S. Subramanyam	Dr R.D.Garg Dr B Kanagadurai
55.	Lab study on Chemical and Rheological Changes in Modified Bitumens	2009	Lt. Col. Manoj Gupta	Dr M.R.Maurya
56.	Development of ITS using GPS	2009	Mr Rishi Kesh Meena	-
57.	Laboratory Study on Permeability of Different Sub-base and Base Courses	2010	Mr Akhil Bhutani	-
58.	Laboratory Study on Equivalency Factors for different Sub-base and base Courses	2010	Mr Shashi Kant Sharma	-
59.	Laboratory Study on Moisture Susceptibility of Various Bituminous Courses	2010	Maj Praveen Anand	-
60.	A laboratory Study on Mastic Asphalt	2011	Col. Shiv Kumar	-
61.	Incident Management System in GIS Environment for Chandigarh City	2011	Mr Raj Kumar Nagarwal	-
62.	Development of Deterioration Model using ANN	2011	Mr Siddhartha Upadhyay	Dr J K Ghosh
63.	Self Consolidating Concrete containing Wollastonite Microfiber for repair of PQC	2012	Mr Abhishek Jindal	Dr G D Ransinchung R N
64.	Influence of Moisture States of Recycled Aggregates in PQC	2012	Mr Arun P Chauhan	Dr G D Ransinchung R N
65.	A Rheological Study on Modified Binders	2012	Mr Mohd. Tanveer Khan	-
66.	Comparative Study on Organic and Inorganic Waste Material Reinforcement in Non-bituminous Layers	2012	Miss Pooja Sharma	Dr G D Ransinchung R N

67.	Moisture Damage Study in Close Graded and Open Graded Bituminous Mixes	2012	Mr Sharad Kumar	Dr G D Ransinchung R N
68.	Geometric Design for Rural Roads Using MXROAD Software	2013	Mr Sandeep Batar	Dr G D Ransinchung R N
69.	A Laboratory Study on Short Term and Long Term Ageing of Bitumen Using Modifiers	2013	Miss Shambhavi Mishra	-
70.	A Comparataive Laboratory Study on Permeability of Sub-base Materials using Various Chemical Additives and Fibers	2013	Mr Dharam Pal Singh	Dr G D Ransinchung R N
71.	Performance Evaluation of Silty Soil Subgrade Reinforced with Pine Needle and Flyash	2013	Mr Amit Kumar Bera	Dr G D Ransinchung R N
72.	Influence of Recycled Coarse and Fine Aggregate on the Performance of Dense Graded Bituminous Macadam Mixtures	2013	Mr Supriya Marik	Dr G D Ransinchung R N
73.	Effect of Wax Content on Binder and Rutting Performance of Bituminous Concrete-A Laboratory Study	2014	Maj Devendra Mishra	Dr G D Ransinchung R N
74.	Study on Performance of Bituminous Mixes using FWD	2014	Lt. Col. Mayank Mehta	Dr G D Ransinchung R N
75.	A Study on Rheology of Multiple Bitumen Modifiers	2014	Miss Radhika	-
76.	Development of Master Curves for Finding Mixing and Compacting Temperatures by Different Methods	2014	Mr Ankit Verma	-
77.	Performance Evaluation of Roads using FWD	2015	Shobhit Tiwari	-
78.	Performance of Bituminous Mixes using Modified Binders	2015	Bhaskar Pratim Das	Dr G D Ransinchung R N
79.	Pore Structure and Permeability of Concrete Containing Recycled Concrete Aggregate	2015	Gyandeep Bhumarkar	Dr G D Ransinchung R N
80.	Identification of Road Surface Defects using Geomatics Techniques	2015	Animesh Singh	Dr R D Garg

81.	A Study on Visco-elastic Properties of Modified Bitumen in Non-Linear Region	2016	Nigil M	-
82.	Durability and Performance Characteristics of DBM with Warm Mix Additives	2016	Roopak Jain	Dr Satish Chandra
83.	Characteristics of Stone Mix Asphalt using Warm Mix Additive	2016	Shashank Singh Chauhan	Dr Satish Chandra
84.	Coir Reinforcement in Non-bituminous Layers of Pavement	2017	Anshul Ojha	-
85.	Development of Incident Management System for a Planned City	2017	Gurmesh	-
86.	Effect of Seasonal Variation on FWD Results	2017	Aditya Chaudhry	-
87.	Use of Zycosoil in Modification of Bitumen	2017	Ankit Verma	-
88.	Effect of Plastic Modification on Fatigue and Rutting Characteristics	2018	Ravendra Singh	-
89.	Effect of Carbon Black on Ageing of Bitumen	2018	Miss Malvee Singla	-
90.	Development of Advanced Traveller Information System using Ant Algorithm	2018	Miss Nidhi Chaudhry	-
91.	A Study on Warm Mix Additives	In Progress	Dheeraj Adwani	Dr G D Ransinchung R N
92.	A Study on Use of Emulsions in Bituminous Courses	In Progress	Sandeep Chausali	Dr G D Ransinchung R N
93.	To Develop Strength Map of Roorkee Town Roads using FWD	In Progress	Bhaskar Rajoria	Dr Rajat Rastogi

(C) M.Tech. Project

SN	TITLE OF PROJECT	YEAR AWARDED	NAME OF STUDENT
1.	Software for Route Assignment using Moore's Algorithm	2000	Mr A K Maurya
2.	Software for Trip Distribution Based on Furness Method	2001	Mr A K Niranjana
3.	Software for Trip Distribution based Gravity Model	2001	Mr Satya Narayain

4.	A Study on Roorkee Bypass Route Choice	2002	Mr Jitendra Kumar Yadav
5.	Software for Rigid Pavement Design	2002	Mr Ujjal Chataraj
6.	Relationship between Softening Point, Penetration Value and Ductility	2002	Mr K Srinivas Rao
7.	Software for Horizontal Alignment and Vertical Alignment of Highway Geometric Design	2002	Mr Amit Verma
8.	Software for Trip Generation using Cross Classification Technique	2002	Mr Yoganand Jeti
9.	Effect of Compacting Effort and Curing Period on CBR Values	2003	Mr Anil Durga Prasad
10.	Lab Study on Rheological Study of Bitumen	2003	Mr R. Vishal
11.	Cold Mixes using Bituminous Emulsion	2004	Mr Satish Kumar M.
12.	Computer Aided Design of Toll Booth	2004	Mr Venkateshwar Avaari
13.	Trip Distribution Forecasting Using Growth Factor Method	2005	Mr Mahendra Kumar Lal
14.	Variation in Test Values of Bitumen with Temperature	2005	Mr Yajuvendra Singh Rajpurohit
15.	Lab Study on Various Modified Binders	2005	Mr Matin Ahmed
16.	Behaviour of Soil under Normal and Modified CBR Tests	2005	Mr Abhishek J Agrawal
17.	Rheometric Study on Lime Flyash Modified Bitumen	2006	Mr Ranga Swami Sirigiri
18.	Average Increase in Volume and Cost of PMGSY Roads	2006	Mr Pankaj Gupta
19.	Software for Mix Design	2006	Mr Gajendra Kumar Varshney
20.	Effects of CBR, Traffic and Quarry Distance on Cost of PMGSY Roads	2007	Miss Averneni Deepti
21.	Investigation on Properties of Non-Stirred CRMB	2007	Mr Kotkar Kishore Laxman
22.	Effect of Admixtures on Soil Strength	2007	Mr Gaurav Pandey
23.	Comparison of Long Term and Short Term Ageing Effect on Bitumen	2008	Mr Mukesh Kumar Jain
24.	Effect of Delay in Compaction on Marshall Properties	2008	Mr Santosh Khushnure
25.	Combined Effect of Fibre and Chemical Stabilizer on Subgrade Soil	2008	Maj Vishal Sharma
26.	Computer Aided Design of Bituminous Mixes	2008	Mr Rishikesh Meena

27.	Laboratory Study on Skid Resistance of Mastic Asphalt	2009	Maj Parveen Anand
28.	Comparative Study of Ageing Effect on Various Bituminous Materials	2009	Mr More Prasad jagannath
29.	Comparative Study of Emulsion and Bitumen	2009	Mr Narsimharao Veeravalli
30.	Cold Mix Design of Bituminous Courses	2010	Mr Devendra Kumar
31.	Field Data Collection for ATIS Studies	2010	Mr M Rajshekhar
32.	A Laboratory Study on Rutting behaviour of bituminous mixes	2010	Mr V.G.Narayana
33.	Application of ANN for Trip Generation	2010	Mr Siddhartha Upadhayay
34.	A study on Compactive Energy in Marshall tests	2011	Mr Avinash S Rajpurohit
35.	Comparative Study of Various Type of Commercial Stabilisers	2011	Mr Ganupalli S Rao
36.	Comparative Study of Short Term and Long Term Ageing	2011	Mr Peelipuram Naveen Kumar
37.	Development of Software for Marshall Method of Mix Design	2012	Mr Sandeep Batar
38.	A Laboratory Study on Effect of Temperature on Rutting of Bituminous Courses	2012	Miss Shambhavi Mishra
39.	A Laboratory Study on Various Fine Materials in WMM	2012	Mr Dharampal Singh Kandari

B.TECH PROJECT

S N	TITLE OF THESIS	YEAR AWAR DED	NAME OF STUDENT	Co- SUPERVISOR
1	Design and Planning of Roorkee By-pass	2001	Full B Tech. Class	Guided as Deputy O C Project of Full Class
2	Planning, Design and Construction of Rural Roads	2009		-
3	Development of Advanced Traveler Information System	2011	Akhil Singh, Ankit Agrawal, Rohit Agrwal, Sumit Gupta	Dr R D Garg
4.	Development of Advanced Traveler Information System for Haridwar City	2014	Anubhav Kumar, Anupriya, Ashutosh Gaurav, Kriti Garg	Dr R D Garg
5.	Development of Advanced Traveler Information System for Dehradun City	2016	Gulshan Dhannai & Group	-
6.	Rheological Study on Modified Binder	2016	Himanshu Gupta & Group	-
7.	A study of Haridwar Kumbh Mela	2016	Lovey Gupta & Group	-
8.	Rehabilitation of Roorkee City	2015	Full B Tech IV Class	Guided as Deputy OC Project
9.	A Study on Effects of 'PET' as a Bitumen Modifier on Conventional and Rheological Properties of Bitumen	2017	Gaurav Singh, Prashant Kumar, Deepak Kumar Meena, Sadashiv Mishra	-
10	A Comparative Study on Dry and Wet Process of Mixing of Plastic in Bitumen	2018	Shubham Gupta, Vaibhal Jindal, Yogesh Sharma, Siddhartha Singh	-

Ph.D. THESIS OF OTHER INSTITUTIONS EXAMINED

S N	TITLE OF THESIS	YEAR	NAME OF STUDENT	SUPERVISOR AND INSTITUTION
1.	Investigations on Pastes and Mortars of Cement partially replaced by Wollastonite and Microsilica	2008	Mr G D Ransinchung R N	Dr Brind Kumar, IIT-BHU, Varanasi

2.	Traffic Models for Real Time Area Traffic Control Systems in Heterogeneous Traffic Conditions	2009	Mr Suresh P S	Prof K V Krishna Rao, IIT Bombay
3.	An Investigation of Cell-Filled Pavement for Low Volume Roads	2010	Mr Subrat Roy	Prof K Sudhakar Reddy, IIT Kharagpur
4.	Performance Evaluation of Low Volume Roads	2010	Mr Umesh Chandra Sahoo	Prof K Sudhakar Reddy, IIT Kharagpur
5.	Study of Rigid pavements for Village Roads in Alluvial Regions	2011	Mr R K Srivastawa	Prof S K Duggal, MNIT, Allahabad
6.	Pavement Deterioration Models for Low Volume Roads	2012	Mr S Shankar	Prof CSRK Prasad, NIT, Warangal
7.	Landside Hazard Analysis and its Mitigation along National Highway-21 in the Mid Himalayan Zone of Himachal Pradesh, india	2012	Mr Bikram Singh Masouria	Dr Ravi Sharma, Dr Raman Parti, NIT Hamirpur
8.	Design Consistency Evaluation of Rural Highways	2013	Ms Sowmya N J	Prof A U Ravishankar, NIT Surathkal
9.	GIS Enabled Approach for Planning of Road Network for Iran	2014	Mr Abed Mohammadi	Prof K M Lakshmana Rao JNTU, Hyderabad
10.	Quantification of Rural Accessibility and Development of a Need Based Approach for Rural Road Network Planning	2015	Ms K Shalini	Prof A K Sarkar BITS Pilani
11.	Evaluation of Activated Fly Ash Treated Reclaimed Asphalt Pavements for Sustainable Design of Base Courses.	2016	Ms Deepti Avirneni	Dr Sireesh Saride IIT Hyderabad
12.	Technical and Environmental Feasibility of the Use of Coal Bottom Ash as Mechanical Stabiliser in Subgrade Soil in Road Construction in Mauritius	2016	Mr Abdus Salaam Cadessa	University of Mauritius, Reduit, Mauritius
13.	Geospacial Modelling an Analysis of Agri-Food Supply Chain Network	2017	Mr Vivek Kumar Purwar	Dr Varun Singh, MNIT Allahabad

14.	Evaluation of Modified Binders and Mixes with warm Mix Asphalt (WMA) Additives	2017	Mr Ashok Juglanti	Dr Rajan Choudhry, IIT Guwahati
15.	Agent Based Geosimulation of Fire Emergency Response	2018	Mr Mainak Bandyopadhyay	Dr Varun Singh, MNIT Allahabad
16.	Incorporating Sustainability in Investment Decision making for Infrastructure Projects	2018	Ms Angela Delia Reidy	Prof Arun Kumar Queensland University of Technology, Australia
17.	Behavior of Geosynthetic Inter-layered Asphalt Overlays	2018	Mr Vinay Kumar V	Dr Sireesh Saride IIT Hyderabad
18.	Strength Characteristics of Sand Mixed Randomly Distributed Fibers	2018	Mr Kuldeep Singh Kulhar	Prof M Raisinghani, Vivekanand Global University Jaipur
19.	Impact of Geometric Characteristics on Capacity of Hill Roads	2018	Mr Achyut Das	Prof K Ramachandra Rao IIT Delhi

BRIEF BIO-DATA OF DR PRAVEEN KUMAR

Dr Praveen Kumar is Director of National Institute of Technology Delhi since Oct 2018.

Before taking this responsibility he has been Professor of Civil Engineering (HAG Scale) at the Indian Institute of Technology, Roorkee from . He worked as Associate Dean (Faculty Affairs) of IIT Roorkee since Jan 2010 to Dec 2012. He was assigned the responsibility of Coordinator, Transportation Engineering Group of Civil Engineering Department for the session 2010-2012 and again on Dec 2015 to July 2018.

He obtained his B.E. degree from M.R.Engg. College, Jaipur (now NIT), M.E. and Ph.D. from the University of Roorkee (now IIT Roorkee). He has served the Central Road Research Institute, New Delhi for six years as a Scientist in Soil Stabilization and Rural Roads Division. He has wide experience of test track construction using waste materials in Andhra Pradesh, Bihar, Orissa and Delhi. His areas of specialization are Waste Material Utilization in Low Cost Roads, Rural Roads Network Planning, Pavement Materials, Pavement Performance Studies and Intelligent Transport System.

Dr Praveen Kumar has published about 400 research papers in National and International Journals and Conferences. He has completed about 200 sponsored and consultancy projects. He has developed the Rural Roads Master Plans of various districts in Andhra Pradesh, Rajasthan and Uttar Pradesh based on Optimal Rural Road Network Planning. He has edited CRRI Research Journal “Sadak Darpan” for about Six Years. He has won CSIR National Prize for the year 1995-96. He was awarded the Best Research Paper Award (Bihar PWD Medal) by Indian Roads Congress for year 1999-2000 and again in 2016-17. All India Council for Technical Education (AICTE) has given him the prestigious “Young Teachers’ Career Award” for R & D work on Low Cost Roads. He is also a recipient of the highest award of Indian Roads Congress –Pt. Jawaharlal Nehru Centenary Award-2000. The Institution of Engineers (India) has given him the Best Paper Award in 2002, 2009 and 2013. Indian Institute of Technology, Roorkee has given him Outstanding Teacher Award for 2003, 2007 and 2011. Besides Best Paper award of ISCMS-2002, he has been adjudged as Star Performer for overall Performance by IIT Roorkee in 2003-04, 2004-05 and 2005-06. Air India has given him BOLT (Best Teacher Award) in 2006 & again in 2007. Dr Praveen Kumar is a part of Six Member National Executive Committee of Pradhan Mantri Gram Sadak Yojna (PMGSY) looking after the Mega Yojna at National Level for 2003 to 2018. He was Coordinator of Principal Technical Agency and State Technical Agency for PMGSY till 2018. He has organized 40 training courses at IITR to train about 1200 field engineers of UP and Uttarakhand for PMGSY. He has delivered a number of lectures in various parts of the country for the benefit of engineers of North East, Gujrat, Maharastra, MP, H.P., Haryana, Jharkhand, J& K etc. He has also contributed to the manual of rural roads developed by Rural Roads Committee of IRC (H-5). Dr Praveen Kumar has developed various softwares, which are useful in the field of Roads and Road Transport.

Dr Praveen Kumar has guided Fourteen Ph.Ds. and Ninety M.Tech. theses in Transportation Engg. Six Ph.D.s and Three M.Tech.s are in progress. He has organised Several Conferences as Organising Secretary. He has served the Civil Engg Deptt in various administrative capacities including O.C. Purchase, O.C. Central Facilities and Staff advisor, Cognizance-2004, 2005. He has been the Editor of IIT News Letter Samvaad and IIT Annual Report for about 10 years. He has served as Chairman of Library Advisory Committee of IITR for three years.

President of India has nominated him as Visitor’s nominee for Selection Committee of Civil Engg Deptt of IIT Delhi, IIT Madras, IIT Jodhpur and Court of Banaras Hindu University (BHU). He is also Councill Niominee in Board of Governors of IIT-BHU.

SUMMARY OF ACHIEVEMENTS BY Dr PRAVEEN KUMAR

B.E. from MREC Jaipur (Now NIT), M.E. from UOR(IITR), Ph. D. from UOR(IITR)

Specialization:

Planning, Design and Construction of Rural Roads, Waste Materials Utilization in Roads, Intelligent Transport System and Modified Bitumen

Experience

1. Scientist B at Central Road Research Institute, New Delhi, 1992-1998
2. Asstt Professor 1998-2004, IIT Roorkee, 1998-2004
3. Associate Professor Feb. 2004-07, IIT Roorkee, 2004-07
4. Professor 2007 onwards at IITR.
5. Associate Dean, Faculty Affairs, IIT Roorkee, Jan, 2010- Dec 2012
6. Coordinator, Transportation Engineering Group July 2010 -2012, Dec 2015 –July 2018
7. Chairman, Library Advisory Committee, IIT Roorkee, 2013-2015

Research Publication

	Published	Accepted	Sent	Total
International & National Refereed Journals	185	1	20	204
National/International Conferences	195	1	2	198
Grand Total	380	2	22	404

Research Guidance

Degree	Awarded	In Progress	Total
Ph.D.	14	6	20
M.Tech.	90	3	93

Research Projects:

Sponsored Projects 8 (Approx 70 Lakhs as Principal Investigator)

Consultancy Projects 250 (approximately 5 Crores as PI/CoPI)

Training Courses: 40 Courses as Principal Coordinator (Total about 1200 participants)

Also delivered 40 Lectures for Engineers/Teachers at various places for NITHE, NABARD, NRRDA.

Awards:

1. CSIR National Research Prize in 1995-96.
2. Young Teachers' Career Award of AICTE in April 2000.
3. Best Paper Award (Bihar PWD Medal) of Indian Roads Congress 1999-2000, 2016-17
4. Pt Jawahar Lal Nehru Centenary Award of Indian Roads Congress for year 2000.
5. The Brij Mohan Lal Memorial Award (Best paper)-2001, 2009 of The Institution of Engineers (I)
6. Outstanding Teacher Award (Best Teacher) of Indian Institute of Technology, Roorkee in 2003 and again in 2007 & 2011
7. Best Paper Award of ISCMS-2002
8. Star Performer, IIT Roorkee, 2004, 2005, 2006
9. BOLT Award (Best Teacher) by Air India, 2006, 2007
10. Shiksha Ratan Puraskar by IIFS, 2007
11. Best paper Award at Conference of IE, Roorkee, 2012
12. The Institution Prize for Best Paper by The Institution of Engineers (I), 2013
13. Utkrust Shikshak Samman by Bharat Vikas Parishad, Uttarakhand.

14. Fourth Rank among Top 100 IIT Professors in India in 2016 based on Research papers Published in India.

Honours:

1. President of India Nominee (Visitor's Nominee) for Selection Committee of Civil Engg Deptt, IIT Delhi, 2016-19, IIT Madras (2017-20) & IIT Jodhpur (2018-21) and Court of Banaras Hindu University (BHU), 2017-20.
2. Member, Rural Roads Committee, Indian Roads Congress
3. Member, Strategic Planning Group, IITR
4. Member, Research Council, Pradhan Mantri Gram Sadak Yojna
5. Vice Chancellor Nominee, Bharat Institute of Technology, Meerut
6. Member, Board of Studies (Civil Engg), HBTI, Kanpur
7. Member, HRB Core Group, Indian Roads Congress 2017-19.
8. Council Nominee, Board of Governors, IIT-BHU

Major Responsibilities:

1. Member, 6-Member National Executive Committee, Pradhan Mantri Gram Sadak Yojna 2003-2018
2. Coordinator, Principal Technical Agency (IITR), Pradhan Mantri Gram Sadak Yojna 2003-2018
3. Coordinator, State Technical Agency (IITR), Pradhan Mantri Gram Sadak Yojna, 2003-2018
6. Manger A.B.N.Senior Secondary School, IITR 2006 -12
7. Associate Dean (Faculty Affairs), IITR, Jan 2010 – December 2012
8. President, Sarawati Mandir Samiti, IITR 2012-14
9. State Coordinator, Bharat Ko Jano, Bharat Vikas Parishad, Uttar Pradesh and Uttarakhand

Countries Visited: United States, Australia, China & Nepal

Conferences Organised: 5 as Convener/Chairman, 10 as Member, Organising Committee.

Response of Students during whole tenure at IITR : Average about 95% at UG/PG level