**DR. G.D. RANSINCHUNG. R.N.**

**Address:** Assistant Professor, Transportation Engineering Group,

Department of Civil Engineering, Indian Institute of Technology, Roorkee

Roorkee, Uttarakhand – 247 667

**Telephone:** +91-9936287694, 9458947088

**Email:** gdranfce@iitr.ernet.in /gdranjan@gmail.com

**Areas of Interest**

1. Pavement material characterization
2. Flexible and rigid pavements
3. Highway construction and maintenance
4. Recycling of construction & demolition (C&D) waste for low cost road construction
5. Recycling of agricultural waste for low cost road construction
6. Use of wollastonite micro-fiber for pavement quality concrete

**Professional Background**

**From to Designation Organization**

Dec.8, 2010 Ongoing Assistant Professor Indian Institute of Technology, Roorkee

June 2004 Dec 7, 2010 Assistant Professor Institute of Technology, BHU, Varanasi

 (Now, IIT-BHU, Varanasi)

Jan 2004 – June 4, 2004 Highway Engineer Worked for NHAI through Lea Associate Asia

 cum Material Engineer Pvt. Ltd. (LASA)/Louis Berger Group Inc. (LBI)

 at NH-8 (Jaipur-Gurgaon)

July, 2000-Jan 26, 2004 Material cum M/s Sadbhav Engineering Ltd., Ahmedabad,

 Highway Engineer Gujarat.

 at NH-8A, 8B & NH-79A

Dec. 1998 - June 2000 Quality Control Engineer Backbone Project Ltd., Ahmedabad, Gujarat

 at NH-8A, Gujarat

**Award Institute Year**

Best Paper Award The Institution of Engineers (India) 2012

#### Educational Details

#### Degree Subject University/Institute Year

B.E. Civil Engineering Lukhdhirjee Engineering College, 1999

 Saurastra University, Gujarat

M.Tech Transporation

 Engineering (Highways) MNIT, Jaipur, Rajasthan 2004

Ph.D. Rigid Pavement IT-BHU, Varanasi (Now IIT-BHU) 2009

 Uttar Pradesh

#### Administrative Background

**National Level:** From to

1. Member of State Technical Agency 2004 till date

PMGSY under the Ministry of Rural

Development Government of India

 **Institute Level:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Designation** | **From** | **To** | **Organization** |
| 1 | Task Force Manager for overall personality development of students | December 5, 2012 | Till date | IIT Roorkee |
| 2 | Associate Manager, ABN, Sr. Sec. School, IIT Roorkee Campus | June 28, 2012 | Till date | IIT Roorkee |
| 4 | Staff Advisor (Football) | 2011 – March 31, 2014;March 31, 2014 - | Till date | IIT Roorkee |
| 5 | Chairman (Football), IIT-BHU, Varanasi | 2010 | Dec 7, 2010 | IIT-BHU, Varanasi |
| 6 | Vice Chairman (Football), IIT-BHU Varanasi  | 2009 |  | IIT-BHU, Varanasi |
| 7 | Warden, SC Dey | 2009 | Dec 7, 2010 | IIT-BHU, Varanasi |
| 8 | Member, Panchkroti Marg Road Construction of Varanasi City under the chairmanship of District Magistrate, Varanasi | 2009 | Dec 7, 2010 | IIT-BHU, Varanasi |

**Departmental Level:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No. | Designation | From  | To | Organization |
| 1 | Secretary, DAC, Civil Engineering Department, IIT Roorkee | 2012 | Till date | IIT Roorkee |
| 2 | O.C. M.Tech. Transportation Engineering Group, Civil Engineering Department | 2012 | Till date | IIT Roorkee |
| 3 | Member, Time Table Committee | 2012 | Till date | IIT Roorkee |

#### Memberships

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Organization | Member | Member No. |
| 1 | The Institution of Engineers (India), | MIE | 143265 |
| 2 | Indian Road Congress, New Delhi, India | Member | M-30881 |
| 3 | Indian Society of Earthquake Technology | AM | 859 |

**Reviewer for the Journals:**

|  |  |
| --- | --- |
| S.No. | Journal |
| 1 | Construction & Building Materials, Elsevier, U.K |
| 2 |  |
| 3 |  |

**Courses or Conferences Organized**

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Conference Name | Sponsored By | Date |
| 1 | Quality Adherence in Construction of Rural Roads under Pradhan Mantri Gram Sadak Yojana for 3 days | Rural Engineering Service Department, Govt. of Uttar Pradesh | 26-08-2004 |
| 2 | Quality Adherence in Construction of Rural Roads under Pradhan Mantri Gram Sadak Yojana for 3 days | Rural Engineering Service Department, Govt. of Uttar Pradesh | October, 2004 |
| 3 | Quality Adherence in Construction of Rural Roads under Pradhan Mantri Gram Sadak Yojana for one week | Rural Engineering Service Department, Govt. of Uttar Pradesh | September 19 to 24, 2005 |

**Sponsored Research Project**

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Topic | Funding Agency | Year |
| 1 | Influence of moisture states on recycled aggregates for use in pavement quality concrete | DST-SERB, Govt. of India, New Delhi |  2011 |

**Teaching Engagements**

**Autumn Semester**

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Title | Course Code | Class Name  |
| 1 | Advanced Highway Engineering | LCE/TCE/PCE -463 | 4th Year (Seven Sem) |
| 2 | Engineering Drawing | LCE/PCE-101 | 1st Year  |
| 3 | Major B.Tech. Project | CE-402 | 4th Year (Eight Sem) |

**Spring Semester**

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Title | Course Code | Class Name  |
| 1 | Advanced Highway Materials & Construction | LCE/TCE/PCE-671 | M.Tech. |
| 2 | Transportation Engineering -I | LCE/TCE/PCE-362  | Third Year |
| 3 | B.Tech Minor Project | CE-405 | 4th Year |

**Project Work Guided through Exchange Programme**

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Name of Student | Topic | Year |
| 1 | Niel Thibaut | Use of wollastonite powder in SCC for rigid pavement rehabilitation | 2013 |

**Ph.D. Theses Supervised**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name of Scholar** | **Title of Thesis** | **Year of Award/In Progress** |
| 1 | Mr. Aditya Kumar Anupam | Utilization of Waste Materials in Subgrade of Pavement | 2013 |
| 2 | Mr. Sashikant Sharma | Use of Wollastonite Micro-fiber in Rehabilitation of PQC Roads | In progress |
| 3 | Mr. Abhisekh Jindal | Influence of Moisture States of Recycled Aggregates for Use in PQC | In progress |

**M.Tech Thesis Supervised**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name of Scholar** | **Title of Thesis** | **Year of Award/In Progress** |
| 1 | Mr. Uma Maheshwar Arepalli | Evaluation of Marshall Mix Properties for Quartz Blended Aggregates | 2009 |
| 2 | Mr. Sumit Kumar | Study of Bituminous Marshall Mix Properties of Bituminous Base Course Using Recycled Brick Aggregate | 2010 |
| 3 | Mr. Naveen Kumar | Abrasion Resistance of Concrete Containing Wollastonite Micro-Fiber for Pavement | 2012 |
| 4 | Miss. Pooja Sharma | Use of Construction and Demolished Waste Materials in Non-Bituminous Layers  | 2012 |
| 5 | Mr. Abhisekh Jindal | Self consolidating concrete containing wollastonite micro-fiber for repair of PQC | 2012 |
| 6 | Mr. Arun Chauhan | Influence of Moisture States of Recycled Aggregates for Use in PQC | 2012 |
| 7 | Mr. Sharad Kumar | Moisture Damage Study for Various Type of Bituminous Mixes | 2012 |
| 8 | Mr. Sandeep Batar | Geometric Design for Rural Roads using MX Road Software | 2013 |
| 9 | Mr. Kuldeep Singh | Evaluation of Durability Properties of Concrete Containing Recycled Aggregates | 2013 |
| 10 | Mr. Amit Kumar Bera | Performance Evaluation of Silty Sand Subgrade Reinforced with Pine Needle and Flyash | 2013 |
| 11 | Mr. Dharampal Singh | A Comparative Laboratory Study on Permeability of Sub-base Materials Using Chemical Additives and Fibers | 2013 |
| 12 | Mr. Supriya Marik | Influence of Recycled Coarse and Fine Aggregate on the Performance of Dense Graded Bituminous Macadam Mixtures | 2013 |
| ONGOING M.TECH THESES |
| 1 | Mr. Amiya Kumar Mudali | Concrete Mix Containing Recycled Concrete Aggregate for Low Volume Traffic | 2013-14 |
| 2 | Major Devendra Mishra | Influence of Wax Content on Rutting Performance of Bituminous Concrete - A Laboratory Study | 2013-14 |
| 3 | Col. Mayank Mehta | Study on Performance of Bituminous Mixes using FWD | 2013-14 |
| 4 | Ravi Kumar Ahirwar | Influence of Curing Conditions on Mechanical Properties of Concrete with or without Recycled Coarse Aggregates | 2013-14 |
| 5 | Vivek Singh | Pine Needle Reinforced Soil for Road Embankment Slope Protection - A Laboratory Study | 2013-14 |

**B.Tech. Projects Supervised**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name of Scholar** | **Title of Thesis** | **Year of Award/In Progress** |
| 1 | Sushobhan Sen | Applications of Polymer-Modified Bitumen to Highway Design | 2012 |
| 2 | Vijay Meena |
| 3 | Prerna Gautam |
| 4 | Abhay Mishra | Effect of percentage of fine aggregates on internal resistance of bituminous mixtures | 2011 |
| 5 | Mandeep Sidhu |
| 6 | Preet Simar Sandhu |
| 7 | Anupam Chahar | Influence of air voids on permeability and fatigue performance of bituminous mixture | 2011 |
| 8 | Kapil Acharya |
| 9 | Pratiush Singh |
| 1 | Rohit Kashwani | Analysis of stress on rigid pavement | 2014 |
| 2 | Abhilas Jajoo |
| 3 | Sanjay Garg  |
| 4 | Sagar Sodhani |
| 5 | Satyapal Sannu | Comparison of Thickness of Concrete Pavement with or without Wollastonite Micro-fiber | 2014 |
| 6 | Yash Ranka |
| 7 | Jubak Mohan Saxena |

**Abroad Visited:**

1. Toronto, Canada
2. Pittsburg Pennsylvania, USA
3. Perth Western Australia
4. Singapore

**Delivered Expert Lectures**

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| --- | --- | --- | --- | --- |
| **S.No.** | **Course Name** | **Topic**  | **Place** |  **Date & Year** |
| 1 | First Course for Bihar RCD Engineers |  Construction of Rigid Pavements | QIP Centre of IIT-Roorkee | Feb 27 & Feb 28, 2013 |
| 2 | First Course for Bihar RCD Engineers | Rigid Pavement Design | QIP Centre of IIT-Roorkee | Feb 26, 2013 |
| 3 | Training Course on Roads, Bridges & Buildings for Bihar Government Officers | Pavement Evaluation and Maintenance | QIP Centre of IIT-Roorkee | July 26, 2012. |
| 4 | Training Course on Roads, Bridges & Buildings for Bihar Government Officers | A pragmatic approach of Pot holes Repair under Indian Service Condition | QIP Centre of IIT-Roorkee | July 27, 2012 |
| 5 | Execution of Highway Projects in Hill Areas with Emphasis on Quality Control, organized by Engineers of P.W.D, Itanagar | Design and construction of Pavement Quality Concrete | Naharlagan, Arunachal Pradesh | November 16 -17, 2011 |
| 6 | Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) and CC Road  | Construction of Rigid Pavement for Rural Roads | QIP Centre of IIT-Roorkee | March 22-24, 2011. |
| 7 | Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) and CC Road Construction under Ambedkar Gram Yojna for RES Engineers | Tests on Soil and Aggregates | QIP Centre of IIT-Roorkee | March 22-24, 2011 |
| 8 | Rural Roads Construction under Pradhan Mantri Gram Sadak Yojna (PMGSY) and CC Road Construction under Ambedkar Gram Yojna for RES Engineers | Construction of Rigid Pavement for Rural Roads | QIP Centre of IIT-Roorkee | Jan 21-23, 2011 |
| 9 | The Varanasi Local Centre of The Institute of Engineers (India) in Associated with P.W.D  | Pavement Distress and Quality Control during Road Construction | Chunar ForteMirzapur District, Uttar Pradesh | December 23, 2007 |

**Conference/Seminar/ Workshops Attended:**

1. Attended National Seminar on Recycling of Bituminous Pavements (NASERBIP), organized by CSIR CRRI, New Delhi, January 15-16, 2014.
2. Attended and Presented Report at Project Review Meeting/Group Interaction Workshop for the Ongoing/Completed Projects under Fast Track, held at BITS Pilani, Goa Campus, November 25-26, 2013.

1. Attended Workshop on “Experimental Structural Dynamics, Structural Health Monitoring and Non-Destructive Evaluation” at IIT-Delhi, Organised by Smart Structures and Dynamics Laboratory, Department of Civil Engineering, IIT Delhi & Quazar Technologies Pvt. Ltd. New Delhi on 09.03.13.
2. Presented paper in National Conference “Recent Advances in Civil Engineering (RACE-2011), organized by Department of Civil Engineering, IT-BHU, Varanasi, October 14-16, 2011.
3. Attended the 5th All India Students' Conference on **Science and Spiritual Quest** (AISSQ-2010) organized by the Bhaktivedanta Institute in collaboration with MNNIT Allahabad at MNNIT Allahabad from Jan 15-17, 2010.
4. Attended Meeting with World Bank Mission and had discussion on many issues related PMGSY road construction at Uttar Pradesh Rural Roads Development Agency, 3rd and 4th Floors, Ganna Kisan Sansthan, New Beri Road, Dalibagh,Lucknow on 30.08.2007.
5. Attended Engineer’s Meet 2007, organized by Building Centre Varanasi, Department of Civil Engineering, IT-BHU, Varanasi, Sponsored by HUDCO New Delhi, Co-sponsored-ACC Limited and Sika India (Pvt.) Ltd. on 18.05.2007.
6. Attended SHILP’07: All India Civil Engineering Festival and National Conference on “Civil Engineering & Technology: Emerging Frontiers” organized by Civil Engineering Society, Department of Civil Engineering, Institute of Technology, Banaras Hindu University, Varanasi on 27th January,2007.
7. Attended one day Workshop on “ Severe Crisis of Drinking Water in Megacities Situated at the Bank of River Ganga: Causes and Remedial Measures” organized by Department of Civil Engineering, Institute of Technology, Banaras Hindu University, Varanasi on 6th June 2006.
8. Attended and presented paper in the National Conference on “Civil Engineering-Trends, Issues & Challenges (CETIC)” organized by Department of Civil Engineering, Faculty of Technology & Engineering, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, from March 11-12, 2006.
9. Attended National Conference and Exposition on Rural Roads, organized by NRRDA at Unnati Meeting Hall, Ground Floor, Krish Bhavan, New Delhi on 17.06.2005.
10. Attended Regional Review and Workshop on Optimal Design and Scrutiny of Project Proposals at Hill View, Shimla, organized by NRRDA, on 5th October 2004.

**List of Publications in Journals/ Magazine**

1. ***G.D. Ransinchung R.N*.,** Brind Kumar and Veerendra Kumar, “"Assessment of water absorption and chloride ion penetration of pavement quality concrete admixed with wollastonite and microsilica", ***International Journal of Construction & Building Materials, Elsevier***, *23 (2009) 1168–1177*.
2. ***G.D. Ransinchung R.N*.** and Brind Kumar, “Investigations on pastes and mortars of cement partially replaced by wollastonite and microsilica”, **Journal of Materials in Civil Engineering, ©ASCE April 2010, 305 -313.**
3. ***G.D. Ransinchung R.N*.,** Arun Prakash Chauhan, Aditya Kumar Anupam and Praveen Kumar**, “** Influence of Moisture Content on Use of Recycled Aggregates in PQC” **International Journal of Global Technology Initiatives, ISSN 2277-6591, Issue 1, March, 2012, pp. A-8 – A-15.**
4. *Aditya Kumar Anupam, Praveen Kumar and* ***G.D. Ransinchung R.N*., “**Analyzing the Suitability of Waste Materials for Road Construction” **International Journal on Science & Technology Review (IJSTR), Vol.1, No.1, 2012, pp. 69-75.**
5. *Aditya Kumar Anupam, Praveen Kumar and* ***G.D. Ransinchung R.N*.,** “Performance Evaluation of Structural Properties for Soil Stabilized Using Rice Husk Ash” **Road Materials and Pavement Design, International Journal of Taylor & Francis, Manuscript ID: 891533 (Accepted for publication).**
6. ***G.D. Ransinchung R.N.,***B.N. Singh*,* Brind Kumar and Veerendra Kumar, “Microstructural behaviour of concrete partially replaced with wollastonite and microsilica for rigid pavement”, *Highway Research Journal, Highway Research Board, Indian Roads Congress, Vol.1 No.1, July-December 2008, pp. 12-20.*
7. ***G.D. Ransinchung R.N.,***Brind Kumar and Rafi Ahmad, “Use of Recycled Bag Filter Dust in Hot Mix Plants for Bituminous Pavements-A Case study”, *Highway Research Journal, Highway Research Board, Indian Roads Congress, Special Issue 2008, pp. 11-19.*
8. Dr.Brind Kumar and **G.D. Ransinchung R.N, “**Review of Sampling Techniques for Soils and Aggregates in Highways Construction”, **Indian Highways,** Indian Road Congress, Vol. 36, No.6. June 2008, pp. 43-52.
9. Brind Kumar, **G.D. Ransinchung R.N**., Praveen Kumar and Vijay Patil, “Are the Gradation Limits of Bituminous Concrete, Grade-1 Rut Resistant?” Indian Highways, Vol. 40 No. 5, May 2012, pp. 33-45.
10. ***G.D. Ransinchung R.N.,*** Praveen Kumar, Aditya Kumar Anupam and Pooja Sharma, “Evaluation of Efficacy of Fines Obtained from Demolished Concrete Slabs as a Soil Stabilizer” H*ighway Research Journal, Highway Research Board, Indian Roads Congress, January-June 2013, Volume 6 No.1, pp.35-42.*
11. ***G.D. Ransinchung R.N.,*** Praveen Kumar, Brind Kumar and Arun Prakash Chauhan, “Laboratory Evaluation for the use of Moorum and Ganga Sand in Wet Mix Macadam Unbound Granular Base Course**” [Accepted for Publication in IRC Journal].**
12. Shashi Kant Sharma, **G.D. Ransinchung R.N.** andPraveen Kumar,“Micro Fiber Reinforced Cement Paste and Mortar Overlays” International Journal of Pavement Research and Technology, Vol. 6/Number 6, November 2013, pp. 765-772.
13. *Shashi Kant Sharma****, G.D. Ransinchung R.N.*** and Praveen Kumar, “Fiber Reinforced Cement Composites: A Review”, Indian Highways published by Indian Roads Congress, October 2013, pp. 41-49.
14. Dr. Praveen Kumar, ***G.D. Ransinchung R.N.*** and Aditya Kumar Anupam, ““Role of Waste Materials in Rural Road Construction” **Traffic Infra Tech Magazine,** Latest Technologies for Pavements, Third Edition, June- July 2013, Volume 3-Issues 6, pp. 30-37.

**List of Publications in Conference**

1. ***G.D. Ransinchung R.N*.** and B.L. Swami, “Use of wollastonite powder for cement reduction”, First International Conference on “Frontier Technologies-Need for Industry, Business and Education” ISTE Chapter, Adhiyamaan College of Engineering, Hosur, Tamil Nadu, India, September 6 – 8, 2006, pp. 213-218.
2. Brind Kumarand***G.D. Ransinchung R.N.*,** “A case study for determination of CBR value for a hill road”, National Conference on “Civil Engineering-Trends, Issues & Challenges (CETIC), Department of Civil Engineering, Faculty of Technology & Engineering, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, March 11-12, 2006, pp. 101-102.
3. Brind Kumarand***G.D. Ransinchung R.N.*,** “Light Rail Transit Mass Rapid Transport: A viable technology for traffic pollution abatement of Varanai city”, Proceedings, National Conference on Recent Advances in Waste Management (RAWM), Department of Chemical Engineering & Technology, Institute of Technology, Banaras Hindu University, Varanasi, India, February 16, 2009, pp.386-395.
4. ***G.D. Ransinchung R.N.*,** Brind Kumar and Sumit Kumar Ranjan, “Mix Properties of Bituminous Base Course Using Recycled Brick Aggregates” International Conference DRT-2010, Department of Civil Engineering, NIT, Rourkela, Orissa, October 8- 10, pp. 323-336.
5. Brind Kumar, ***G.D. Ransinchung R.N.*,** and D. Chandrasekhar, “Analytical Estimation of Soaked California Bearing Ratio of Sub-grade Soil from Sieve Analysis Data” International Conference DRT-2010, Department of Civil Engineering, NIT, Rourkela, Orissa, October 8- 10, pp. 613-620.
6. **G.D. Ransinchung R.N.,** Praveen Kumar and Brind Kumar, “A Pragmatic approach of Pot Holes Repair Under Indian Service Conditions” National Conference on Recent Advances in Civil Engineering (RACE-2011), Department of Civil Engineering, IT-BHU, Varanasi, October 14-16, 2011, pp. 551-556.
7. **G.D. Ransinchung R.N**., Praveen Kumar and Chauhan Prakash Arun, “Review on Use of Recycled Aggregates in Concrete” National Conference on Recent Advances in Civil Engineering (RACE-2011), Department of Civil Engineering, IT-BHU, Varanasi, October 14-16, 2011, pp. 210-214.
8. Praveen Kumar, **G.D. Ransinchung R.N.** and Jindal Abhishek, “Review on Self Compacting Concrete”, National Conference on Recent Advances in Civil Engineering (RACE-2011), Department of Civil Engineering, IT-BHU, Varanasi, October 14-16, 2011, pp. 445-449.
9. Brind Kumar, **G.D. Ransinchung R.N**. and Saurabh Gupta, Gajendra Kumar, Alok Kumar, “A Review of Noise Analysis for Road Transport System”, National Conference on Recent Advances in Civil Engineering (RACE-2011), Department of Civil Engineering, IT-BHU, Varanasi, October 14-16, 2011, pp.577-583.
10. Praveen Kumar, **G.D. Ransinchung R.N.** and Aditya Anupam Kumar**,** “Laboratory Evaluation to Study the Engineering Behaviour of Slag cement for Soil Subgrade”, International Conference on Current Trends in Technology, NUiCONE, Institute of Technology, NIRMA University, Ahmadabad, Gujarat, Dec 8-10, 2011, pp. 382-481.
11. Aditya Kumar Anupam, Praveen Kumar and **G. D. Ransinchung R. N.** “Stabilizing the subgrade soil with slag cement – A Laboratory Study”Advances in Mechanics and Materials RAMM-2012, 25-26 February 2012 VSS University of Technology, Burla, Odisha, India, pp.337-345.
12. Aditya Kumar Anupam, Praveen Kumar, **G.D. Ransinchung R.N.**, “Analyzing the Suitability of Waste Materials for Road Construction” International Conference on Emerging Trends in Engineering and Technology, College of Engineering, Teerthanker Mahaveer University, ISBN-978-93-8137804-5, April 2012.
13. Praveen Kumar, **G.D. Ransinchung R.N.** and Aditya Anupam Kumar, “Waste Materials - An Alternative to Conventional Materials in Rural Road Construction”, Workshop on Non-conventional Materials/Technologies, Organized by Central Road Research Institute (CRRI), Febraury 18, 2012, pp. 16-2012.
14. **G.D. Ransinchung R.N**. and Peelipuram Naveen Kumar, Influence of Mineral Admixtures in Concrete Properties-A Review”, International Conference on Recent Advances in Engineering, Technology and Management, SPICON-2012, Civil, May 31 – June 021, 2012.
15. **G.D. Ransinchung R.N**., Praveen Kumar and Batar Sandeep, “Review of studies on computer aided pavement design”, International Conference on Recent Advances in Engineering, Technology and Management, SPICON-2012, Civil, May 31 – June 021, 2012.
16. **G.D. Ransinchung R.N.** and P. Naveen Kumar, “Laboratory Study on Use of Wollastonite Micro-Fibers for Abrasion Resistance of Pavement Quality Concrete” Proceedings of International Conference on Engineering and Information Technology “ICEIT2012” Sep. 17-18, 2012, Toronto, Canada, pp. 18-23.
17. **G.D. Ransinchung R.N**\***.,** Praveen Kumar and, Pooja Sharma, “Stabilization of Clayey Soil with Fines from Waste Crushed Concrete Cubes for Construction of Pavements”Proceedings of International Conference on Engineering and Information Technology “ICEIT2012” Sep. 17-18, 2012, Toronto, Canada, pp. 18-23.
18. A.K. Anupam, P.Kumar and **G.D. Ransinchung**, ”A comparative study of Sugar Cane Bagasse Ash & Fly ash for use in pavement construction, ”Proceedings,Intenational Conference on Highway Engineering 2012, Thailand, 18-20 April 2012, Centara Grand Hotel Bankok, Thailand, pp. 469-474.
19. Aditya Kumar Anupam, Praveen Kumar and **G. D. Ransinchung R. N**. **“**Influence of rice husk ash and fly ash on strength behaviour of subgrade soil for pavement construction”International conference on transportation planning & implementation methodologies for developing countries, December 12-14, 2012, Indian Institute of Technology Bombay.
20. Aditya Kumar Anupam, Praveen Kumar and **G. D. Ransinchung R. N**. **“**Laboratory Study on Permanent Deformation Behaviour of Soil Admixed with Bagasse Ash under Repeated Triaxial Loading”Indian geotechnical conference (IGC-2012) Advances in Geotechnical Engineering, 13 - 15 December, 2012, Indian Institute of Technology Delhi New Delhi, India.
21. **G.D. Ransinchung R.N**\***.,** Aditya Anupam Kumar and Praveen Kumar, “Influence of recycled fines obtained from demolished concrete slabs for use in pavement quality concrete construction” 25th ARRB Conference-Shaping the future: Linking Policy, research and outcomes, Perth, Australia 2012, pp.1-9.
22. Aditya Kumar Anupam, Praveen Kumar and **G. D. Ransinchung R. N**., “Application of Fiber as Reinforcement for Pavement Construction- A Critical Appraisal” 2nd International Conference on Evolution in Science & Technology & Eyne on Educational Methodologies March 3-4, 2013 ESTEEM 2013, PPIMT, HISSAR (INDIA), pp. 357-364.
23. **G. D. Ransinchung R. N,**  Praveen Kumar and Supriya Marik, “Influence of Old Wall Plaster Powder on the Performance of DGBM Mixes”, 2nd International Conference on Evolution in Science & Technology & Eyne on Educational Methodologies March 3-4, 2013 ESTEEM 2013, PPIMT, HISSAR (INDIA), pp. 365-369.
24. Aditya Kumar Anupam1, Praveen Kumar2 and **G.D. Ransinchung R.N., “**Influence of Time Variation on Admixed Soil Swelling Properties” 2nd International Conference on Emerging Trends in Engineering & Technology, College of Engineering, Teerthanker Mahaveer University, April12, 13, 2013, pp. 1-6.
25. Shashi Kant Sharma, **G.D. Ransinchung R.N.,** Praveen Kumar, “Difference in loading behavior between semi rigid and ordinary base course materials”, 2nd International Conference on Emerging Trends in Engineering & Technology, College of Engineering, Teerthanker Mahaveer University, April12, 13, 2013, pp. 1-7.
26. **G.D. Ransinchung R.N.,** Praveen Kumar2, Amit Kumar Bera, “Performance Evaluation of Silty Sand Subgrade Reinforced with Pine Needle” 2nd International Conference on Emerging Trends in Engineering & Technology, College of Engineering, Teerthanker Mahaveer University, April12, 13, 2013, pp. 1- 4.
27. Aditya Anupam 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, Procedia Social and Behavioural Sciences 104 (2013) 264-273

 **(G.D. Ransinchung R.N.)**