

Detailed CV

R. SRINIVASA KUMAR^{Ph.D.} Professor Civil Engineering Department University College of Engineering (UCE), Osmania University (OU), Hyderabad, TS, India. Ph: +91-9491124241 rungozu@gmail.com rungoz@osmania.ac.in	
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EDUCATIONAL QUALIFICATIONS

- Ph. D. [2003]: *Transportation Engineering* section, Department of Civil Engineering, Indian Institute of Technology (IIT), Kharagpur, West Bengal, India.
- M. E. (*Highway & Transportation Engineering*) [1997]: Civil Engineering Department, Faculty of Technology, M. S. University of Baroda, Vadodara, Gujarat, India.
- B. E. (*Civil Engineering*) [1994]: Osmania University, Hyderabad, India.

AWARDS

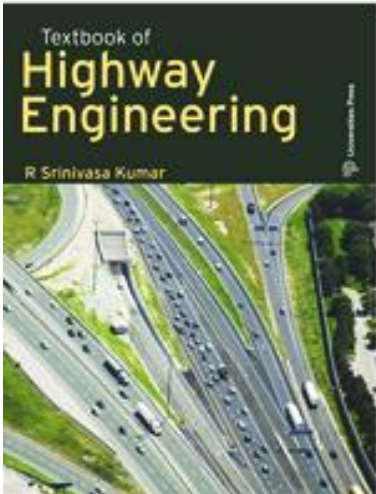
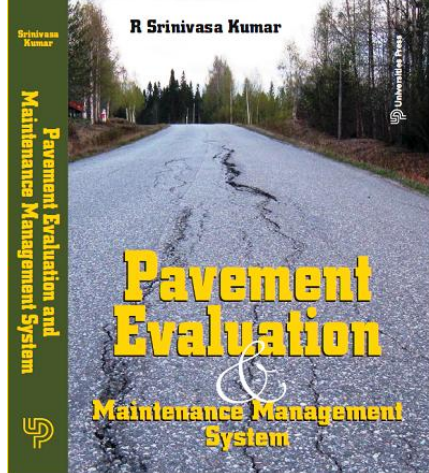
1. **Indian Roads Congress (IRC)** Commendation Certificate for The Best Research Paper Publication in **IRC** Journal during the year 2001-2002.
2. **Best Teacher Award**, Institute of Engineers, Telangana State, India, 2023.

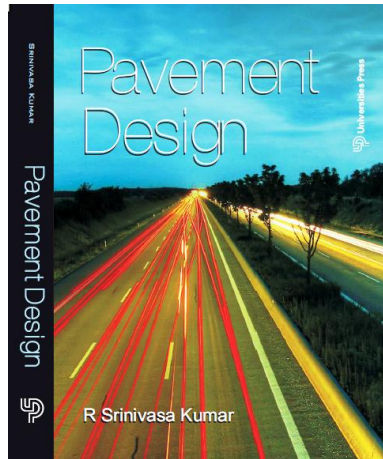
ROAD SAFETY AUDITOR

Certified RSA by IRC after 15days training at CRRI, New Delhi. Registered No. CRRI/TPE/2/CNP-2986/2025/56.

TEXT BOOKS AUTHORED (7): as Single Author

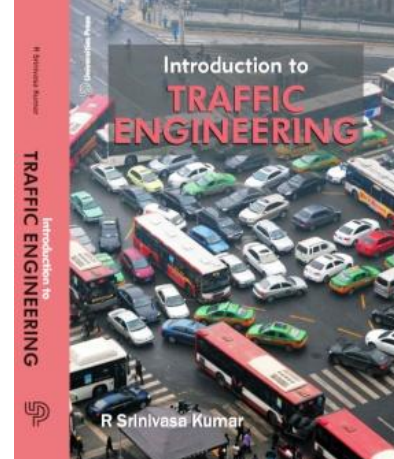
Publisher: Universities Press (India) Private Ltd., www.universitiespress.com

	
1. Textbook of Highway Engineering 2011, Pages:660, ISBN 978 7371 681 2	2. Pavement Evaluation & Maintenance Management System 2014, Pages: 588, ISBN 978-81-7371-922-6



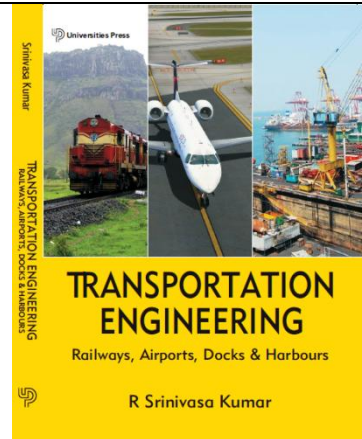
3. Pavement Design

2013, Pages: 360, ISBN 978-81-7371-885-4



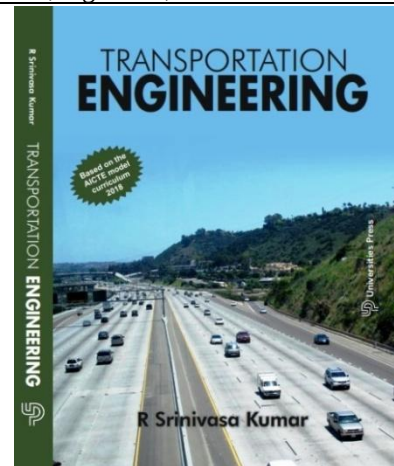
4. Introduction to Traffic Engineering

2018, Pages: 809, ISBN 978-93-86235-47-3



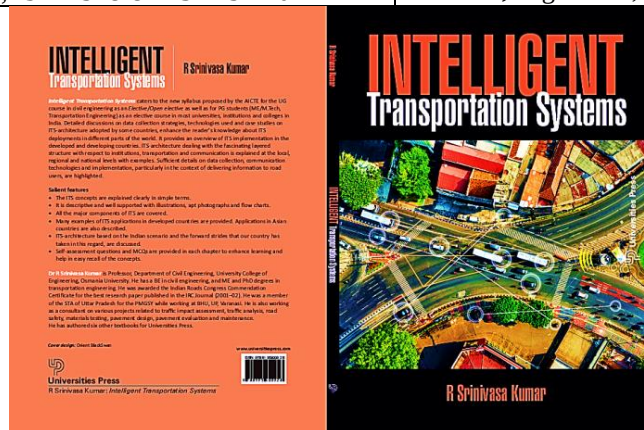
5. Transportation Engineering (Railways, Airport, Docks & Harbours)

2014, Pages: 348, ISBN 978-81-7371-924-0



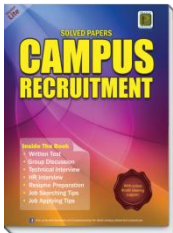
6. Transportation Engineering,

2020, Pages: 428, ISBN: 9789389211160



7. Intelligent Transportation Systems

2022, Pages: 142, ISBN: 978-81-954009-2-8

	Contributed in a Chapter
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ROAD SAFETY EXPERT COMMITTEE MEMBER

1. Telangana State Government selected as Expert Committee Member for investigation of Road Accidents occurred on Bio-diversity Park Flyover Level-II in Gachowli, Hyderabad and report on remedial measures, December 2019.



Views showing the falling car from the Biodiversity flyover level-II

2. Uttar Pradesh State Government invited for providing suggestions to strengthen the subordinate policy framework (UP MV Rules) as per the provisions of the Motor Vehicles (Amendment) Act 2019. Particularly,
 (i) With reference to the 210 D of Motor Vehicle (Amendment) Act 2019
 (ii) With reference to the Sub-section 1A of 138 of Motor Vehicle (Amendment) Act 2019
 The above meeting was held on 10-02-2021 in Lucknow, UP.

3. State Quality Monitor (SQM) as a part of 2nd Tier Quality Monitoring Mechanism & inspection of PMGSY works under Telangana State Rural Roads Development Agency (TS-RRDA), Hyderabad. Dt. 16-03-2021.

4. Empaneled as National Quality Monitor (NQM) by National Rural Infrastructure Development Agency (NIRDA), New Delhi on recommendation of 26th Section Committee.

LIST OF PUBLICATIONS (In JOURNALS)

1. Srinivasa Kumar. **Information Technology for Highway Engineers**, *Journal of the Civil Engineering Society*, Indian Institute of Technology, Kharagpur, May 1999.
2. Srinivasa Kumar, **Modeling Rutting Failures of Pavements – A Brief Review**, *Journal of The Civil Engineering Society*, Indian Institute of Technology, Kharagpur, August 2000.
3. Srinivasa Kumar, Santhosh Kumar, A. Das, K. S. Reddy, M. Mazumdar, and B. B. Pandey. **Development of an Impact Apparatus for Evaluation of Elastic Modulus of Pavement Layers**, *Indian Geotechnical Journal*, Vol 31, No.3 July 2001.
4. Srinivasa Kumar, K. S. Reddy, M. Mazumdar and B. B. Pandey. **An ANN Based Model for Backcalculation of Pavement Layer Moduli**, *Highway Research Bulletin*, Highway Research Board, IRC, pp.63-76, 2001.
5. Srinivasa Kumar, K. S. Reddy, M. Mazumdar and B. B. Pandey. **Back-calculation of Pavement Layer Moduli by Regression Analysis**, *Highway Research Bulletin*, Highway Research Board, IRC, No. 68, pp 55-70, June, 2003.
6. Srinivasa Kumar, K. S. Reddy, M. Mazumdar and B. B. Pandey. **Models for Estimation of Subgrade Moduli from DCP Tests**, *The International Journal of Pavement Engineering & Asphalt Technology* (ISSN 1464-8164), Volume 4, Issue 2 December 2003.

7. A. Reddy, R. Srinivasa Kumar, K. S. Reddy and B. B. Pandey. **A Low Cost Falling Weight Deflectometer for Pavement Evaluation in India.** *The International Journal of Pavement Engineering & Asphalt Technology*(ISSN 1464-8164), Volume 4, Issue 1 May 2003.
8. Srinivasa Kumar, K. S. Reddy, M. Mazumdar and B. B. Pandey. **Regression Models for Estimation of In-situ Subgrade Moduli from DCP Tests,** *Journal of Indian Roads Congress,* Indian Highways, Vol. 31, No. 7, pp 5-19, July 2003.
9. Srinivasa Kumar and K. S. Reddy. **Prediction of Flexible Pavement Layer Moduli in India.** *The International Journal of Pavement Engineering & Asphalt Technology*(ISSN 1464-8164), Volume 5, Issue 1 May 2004.
10. Srinivasa Kumar and Rao, **Introduction of Professional Ethics as a Mandatory Subject in Engineering Curriculum,** *The Indian Journal of Technical Education of ISTE* (ISSN 0971-3034), Vol. 33(2), April/June 2010.
11. Srinivasa Kumar, **Role of Ethics and Code of Conduct in Civil Engineering Profession,** *Journal of Indian Roads Congress,* Indian Highways, IRC, pp.53-57, Vol. 38 (12), December 2010.
12. Srinivasa Kumar, **Public Private Partnerships for Development of Road Infrastructure in India,** *Journal of Indian Roads Congress,* Indian Highways, IRC, pp.39-46, Vol. 39 (1), January 2011.
13. Srinivasa Kumar, **A Review on Structural Evaluation of Unbound Granular And Subgrade Layers of Pavement Using DCP,** *Journal of Indian Roads Congress,* Indian Highways, pp.13-20, April 2011 .
14. **Srinivasa Kumar R.,** Ajmi A. S. and Valkati B., “Comparative Study of Sub-grade Soil Strength Estimation Models Developed based on CBR, DCP and FWD Test Results”, *International Advanced Research Journal in Science, Engineering and Technology*, Vol.2 (8), DOI, 10.17148, pp.92-102, Impact factor 1.918. ISSN: 2394-1588, August 2015. [**Impact Factor = 1.918**]
15. Morugu S. K, Valkati B. and **Srinivasa Kumar R.,** “Two-way Signal Coordination by Using Simple Progressive System for Three-Signalized Intersection”, *American International Journal of Research in Science, Technology, Engineering& Mathematics*, 15-817, pp.33-38, Vol.1 (13), pp.33-38, December 2015. ISSN:2328-3491.
16. K. Shashi Kumar, Ibrahim, **R. Srinivasa Kumar,** “Development of Delay Models for Roundabout with Heterogeneous Traffic Flow Condition”, *International JI., of Innovative Research in Science and Engineering*, Vol. 2(9), ISSN No. 2347-3207, pp.6-17, 2016.[**Impact Factor =0.998**]
17. Ibrahim and **R. Srinivasa Kumar** “Pavement Distress Condition Evaluation Using Rolling Straight Edge”, *International JI., of Innovative Research in Science and Engineering*, Vol. 5(01), ISSN No. 2347-3207, pp.258-267, 2016.[**Impact Factor =0.998**]
18. K. Chanadana, Ibrahim and **R. Srinivasa Kumar,** “Analysis of Pedestrian Level of Service on Footpath in Hyderabad,” *International JI., of Innovative Research in Science and Engineering*, Vol. 4(09), ISSN No. 2347-3207, pp.86-97, 2016.[**Impact Factor =0.998**]
19. Ibrahim, Madhu Kumar and **Srinivasa Kumar R,** Saturation Flow Model at Signalized Intersection for Non-lane based Traffic, *Int., JI. Of Innovative Research in Science, Engineering and Technology*, Vol.6(1), pp.801-808, ISSN No.2319-8753, January 2017.
20. Y. V. Ravindranath, Ibrahim, **R. Srinivasa Kumar,** Ideal Transport Planning in India Post Using GPS Technology: Hyderabad, *Online International Interdisciplinary Research Journal*, Vol.7, Special Issue (02), ISSN.2249-9598, pp. 414-424, June, 2017.[**Impact Factor =3.816**]
21. Prashanth Kumar, Rohith and **R. Srinivasa Kumar,** “Anticipation Methods for Forecasting Pavement Condition Index”, *Online International Interdisciplinary Research Journal*, Vol.7, Special Issue (02), ISSN.2249-9598, pp. 362-368, June, 2017.[**Impact Factor = 3.816**]
22. Bhaskar D., M. Srujan Kumar and **R. Srinivasa Kumar,** “An Outlook of BRT (Bus Rapid Transit) System in Telangana”, *Online International Interdisciplinary Research Journal*, ISSN.2249-9598, Vol.7, Special Issue (02), pp. 210-214, June, 2017.[**Impact Factor = 3.816**]
23. **R. Srinivasa Kumar,** “Development of Vehicle Tailpipe Emission Models Based on Road Roughness”, *i-manager’s Journal on Civil Engineering*, Vol. 7(4), 1-7, ISSN No. 22311068, Sep-Nov, 2017.[**Impact Factor = 2.07, UGC approved Journal Sl. No.43156**].
24. Muthu Ram Reddy, Sindhu Chowhan L, and **Srinivasa Kumar R.,** Evaluation and Analysis of Existing Rural Roads Alignment Using DGPS, *Global Journal of Engineering Science And Researches*, ISSN.2348-8034, Vol.4(10), pp.242-249, October 2017.[**Impact Factor = 4.022, UGC Approved JI. S.No.64316**]

25. Mane SR Rohith, Ramanarayan S, and **Srinivasa Kumar R.**, “A Review Paper on Use of Bio-Enzyme”, Global Journal of Engineering Science And Researches, ISSN.2348-8034, Vol. 4(10), pp.187-194, October 2017.[**Impact Factor = 4.022, UGC Approved Jl. S.No.64316**]
26. P. Venkatraman Reddy and **Srinivasa Kumar R.**, Optimization Techniques of Pavement Maintenance for Road Network in India Using Road Management System (RMS), Journal of Adv. Research in Dynamical & Control Systems, Vol. 10, 13-Special Issue, ISSN No. 1943023X, Oct, 2018.[**H-index 6, Scopus &UGC approved Journal Sl. No. 26301**]
27. P. Venkatraman Reddy and **Srinivasa Kumar R.**, A Survey Report on Optimization Techniques of Pavement Maintenance in Road Network System, International Journal of Modern Engineering and Research Technology, Volume 5, Issue 1, January 2018 ISSN: 2348-8565 (Online).[**Impact Factor = 1.00, UGC approved Journal Sl. No. 43726**]
28. M. Ram Babu, L. Sindu Chowhan and **Srinivasa Kumar R.**, Roughness Evaluation of Flexible Pavements Using Merlin and Total Station Equipment, i-manager’s Journal on Civil Engineering, Vol. 8(1), 41-46,, ISSN No. 22311068, Feb, 2018. [**Impact Factor = 2.07, UGC approved Journal Sl. No.43156**]
29. **R Srinivasa Kumar** and Vinay Kumar K, “Evaluation of Performance of Isolated Signalized Intersections and Design of Co-ordinated System by Using Vissim Software”, International Journal of Emerging Technology and Advanced Engineering, ISSN No. 2250-2459, Vol 8(5), pp.230-237, May 2018.
30. PVS Koteswar Rao, P. Suresh Babu and **Srinivasa Kumar R.**, “A Study on Recycled Bituminous Pavement Material Using Bitumen VG-30”International Journal of Creative Research Thoughts, ISSN2320-2882, pp. 391-394, 2018.[**Impact Factor = 5.97, UGC approved Journal Sl. No. 49023(18)**]
31. Rohith, Kumara Swamy **R. Srinivasa Kumar** and PVS Koteswar Rao, Economic Analysis of Flexible Pavement by Using Subgrade Soil Stabilized with Zycobond and Terrasil” International Journal of Creative Research Thoughts, ISSN2320-2882, pp. 313-317, 2018.[**Impact Factor = 5.97, UGC approved Journal Sl. No. 49023(18)**]
32. P. Vijender Reddy and **R. Srinivasa Kumar**, Structural Evaluation of Rigid Pavement Using Falling Weight Deflectometer (FWD), International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), e-ISSN: 2455-2585, Volume 4, Issue 12, December-2018.[**Impact Factor =5.22,UGC approved Journal Sl. No. 47719**]
33. **R. Srinivasa Kumar**, P.V.S. Koteswar Rao, L. Sindu Chowhan, Development of Delay Equations At Signalized Intersections In Hyderabad, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), e-ISSN: 2455-2585, Volume 4, Issue 12, December-2018.[**Impact Factor =5.22, UGC approved Journal Sl. No. 47719**]
34. Tej deep Reddy and **R. Srinivasa Kumar**, A Comparative Study of Road Alignment Survey Data Measured Using Unmanned Aerial Vehicle And Total Station, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), e-ISSN: 2455-2585, Volume 5, Issue 1, January-2019.[**Impact Factor =5.22, UGC approved Journal Sl. No. 47719**]
35. **R. Srinivasa Kumar**, K Shashi kumar, Cherukupalli Sandeep, An Empirical Capacity Model For Roundabouts Under Heterogeneous Traffic of Hyderabad, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), e-ISSN: 2455-2585, Volume 5, Issue 01, January-2019.[**Impact Factor =5.22, UGC approved Journal Sl. No. 47719**].
36. **R. Srinivasa Kumar**, Kanchi Meghalatha, K Shashi kumar, Traffic Flow Simulation and Development of Delay Models at Toll Plazas, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), e-ISSN: 2455-2585, Volume 5, Issue 2, February-2019. [**Impact Factor =5.22, UGC approved Journal Sl. No. 47719**].
37. **R. Srinivasa Kumar**, K. Vasudha, P. V. S. Koteswar Rao and, K. Smitha, “Performance Evaluation of Toll Plazas using Queuing Theory”, i-manager’s Journal on Civil Engineering, Vol. 9(2), 17-23, March-May 2019.[**Impact Factor =2.074, UGC approved Journal Sl. No. 43156**]
38. Ramesh J and **Srinivasa Kumar R.**, “Optimization of Rural Roads Network of Vikarabad Bus Depot Transportation Operation”, i-manager’s Journal on Civil Engineering, 9(1), 51-60,December 2018-February 2019.[**Impact Factor =2.074, UGC approved Journal Sl. No. 43156**].
39. **Srinivasa Kumar R.**, Akshith Reddy M., Yashwanth N., Pranaya O., Anvesh Yadav E., “Development of Car – Tailpipe Fuel Emission Models Due to the Effects Road Gradient and Roughness”, i-manager’s Journal on Civil Engineering, Vol. 9(4),pp.29-36, September– November 2019. [**Impact Factor =2.074, UGC Approved Jl. S.No. 43156**]

40. **Srinivasa Kumar R.**, “Role of Professional Associations in Civil Engineering Profession”, Indian Highways, Indian Roads Congress (IRC), Vol.47(9), pp.43-47, September 2019.
41. Shashi Kumar and **Srinivasa Kumar R.**, “Development of Delay Models for Roundabouts”, Indian Highways, Indian Roads Congress (IRC), Vol.47(12), pp. 29-37, December 2019.
42. Bhaskar V and **Srinivasa Kumar R.**, “Evaluation of Design Speeds of Horizontal Curves Passing Through Low-Speed Urban”, Indian Highways, Indian Roads Congress (IRC), Vol.48(10), pp. 24-32, October 2020.
43. Monika L, Shashi Kumar K and **Srinivasa Kumar R.**, “Optimization of Roundabouts Geometric Parameters for Capacity Enhancement” Indian Highways, Indian Roads Congress (IRC), Vol.49(11), ISSN 0376-7256, pp. 18-25, November 2021.
44. Karteeka Kumar G, and **Srinivasa Kumar R.**, “Automated Identification and Extraction of Horizontal Curve Information from GIS Road Way (OSM) Maps” Indian Highways, Indian Roads Congress (IRC), Vol.49(12), ISSN 0376-7256, pp. 18-25, December 2021.
45. Hamid Noori and **Srinivasa Kumar R.**, “Driving Behavior Modeling and Evaluation of Traffic Stream Characteristics in Heterogeneous Traffic Flow Condition”, Highway Research Journal, Highway Research Board (HRB), Indian Roads Congress (IRC), ISSN 0376-725, Vol.11(2), pp.41-54, July-December 2022.
46. Soma Prashanth and **Srinivasa Kumar R.**, “Development of Deduct Value Curves and Assessment of Pavement Condition of Asphalt Pavements”, Material Science and Technology, ISSN 10050299, Vol. 22(11), Nov., 2023.
47. Soma Prashanth and **Srinivasa Kumar R.**, “Evaluation and Comparison of Asphalt Pavement Condition Rating based on Proposed PCI and IRC Method”, Journal of Engineering Sciences, ISSN 03779254, Vol. 14(11), Nov., 2023.
48. Bharath Naik and **Srinivasa Kumar R.**, “Strength Evaluation of Clayey Sand Admixed with Wollastonite with a Special Reference to Construction of Geotextile Reinforced Subgrade”, Indian Journal of Science and Technology, ISSN 09746846, Vol. 17(28), pp. 2924-2932, July, 2024.
49. Bharath Naik, and **Srinivasa Kumar R.**, “Assessment of Strength Properties of Clayey Sand Soils Admixed with Marble Powder, GGBS and Geotextile Reinforcement”. *International Research Journal of Multidisciplinary Technovation* 6 (6):159-68. <https://doi.org/10.54392/irjmt24611>, 2024.
50. Dhanavath Siva, **Srinivasa Kumar R** and N R Dakshinamurthy, “Influence of Recycled Aggregates on Mechanical and Permeability Properties of Pervious Concrete”. Indian Journal of Science and Technology, ISSN 09746846, Vol. 18(7), pp. 559-570, July, 2025.

INTERNATIONAL & NATIONAL CONFERENCES

- 1 R. Srinivasa Kumar, K. S. Reddy, M. Mazumdar, C. C. Bhattacharya and B. B. Pandey. Pavement Evaluation with Impulse Loading Apparatus, International Seminar on Highway Rehabilitation and Maintenance, New Delhi, 12-13 November, 1999, p III-135 to III-148.
- 2 **Srinivasa Kumar R.**, K. S. Reddy, M. Mazumdar and B. B. Pandey. Estimation of Subgrade Moduli from DCP Tests, International Conference on Advances in Civil Engineering (ACE-2002), IIT, Kharagpur, 3-5 January, 2002.
- 3 M.Amaranatha Reddy, **Srinivasa Kumar R.**, K. S. Reddy and B. B. Pandey. Development of Falling Weight Deflectometer System for Structural Evaluation of Pavements in India, International Seminar on Sustainable Development in Road Transport, New Delhi, 8 – 9 November, 2001.
- 4 **Srinivasa Kumar R.**, K. S. Reddy, M. Mazumdar and B. B. Pandey, Estimation of In-Situ Pavement Layer Moduli Using Falling Weight Deflectometer, International Seminar, CONMAT-2003, IIT, Kharagpur, Jan, 2003.
- 5 **Srinivasa Kumar R.**, K. S. Reddy, M. Mazumdar and B. B. Pandey, Modular Ratio Analysis of Flexible Pavement Using Falling Weight Deflectometer, International Seminar, CONMAT-2003, IIT, Kharagpur, Jan, 2003.
- 6 **Srinivasa Kumar R.**, K. S. Reddy, M. Mazumdar, C. C. Bhattacharya and B. B. Pandey. Evaluation of Subgrade Strength Using Falling Weight Deflectometer And Dynamic Cone Penetrometer, National Seminar on Challenges for Road Transportation in 21st Century, Department of Civil Engineering, Thapar Institute of Engineering & Technology, Patiala, February 23 & 24th, 2001.

- 7 **Srinivasa Kumar R**, K. S. Reddy, M. Mazumdar and B. B. Pandey. Estimation of Seasonal Variation in Pavement strength using falling Weight Deflectometer, National Seminar, ROTRAN-2002, IIT, Kharagpur, 12-13 September, 2002.
- 8 **Srinivasa Kumar R**, Ajay Kumar and Subba Rao. Fabrication of DCP For Evaluation of Subgrade Soil, National Conference on Civil Engineering Systems, Department of Civil Engineering, Osmania University, Hyderabad, 1-3 June 2006.
- 9 **Srinivasa Kumar R**, Development of E-Content in Transportation Engineering, National Conference on Civil Engineering Systems, Department of Civil Engineering, Osmania University, Hyderabad, 1-3 June 2006.
- 10 Mehrdad V. and **Srinivasa Kumar R**, "Evaluation and Design of co-ordinated Traffic signal system selected road junctions in Hyderabad", Two-days National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), CED, UCE-OU, 7-8 November 2014.
- 11 Phanivikram T. and **Srinivasa Kumar R**, "Stabilization of Black-cotton Soil Using Recron 3s Fibre", Two-days National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), CED, UCE-OU, 7-8 November 2014.
- 12 Phanivikram T., Rohith M. and **Srinivasa Kumar R**, "Stabilization of Subgrade Soil Using Flyash", Two-days National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), CED, UCE-OU, 7-8 November 2014.
- 13 Koteswara Rao P. V. S., Gopilavanya and **Srinivasa Kumar R**, "Stabilization of Black-cotton Soil Using JGRS", Two-days National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), CED, UCE-OU, 7-8 November 2014.
- 14 Phanivikram T., Venkatesh S., Murthy GVLN. And **Srinivasa Kumar R**, "Silty Soil Stabilization Using Bituminous Emulsion", Two-days National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), CED, UCE-OU, 7-8 November 2014.
- 15 Rohit M, Prashanth Kumar S. and **Srinivasa Kumar R**, "A Study of Speed Flow Relationship at a Few Selected Uncontrolled Intersections in Hyderabad City", Two-days National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), CED, UCE-OU, 7-8 November 2014
- 16 Rohith Kumar S., Rohit M and **Srinivasa Kumar R**, "Development of Service Delay Models for Urban Uncontrolled Intersection with Heterogonous Traffic Flow Condition- A Case Study ", Two-days National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), CED, UCE-OU, 7-8 November 2014.
- 17 Naresh A. and **Srinivasa Kumar R**, "A Comparative Study of Black-cotton Soil Stability with RBI Grade-81 and Lime", Two-days National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), CED, UCE-OU, 7-8 November 2014.
- 18 Eshrak and **Srinivasa Kumar R**, "Development of Parking Demand Model for Hyderabad City", Two-days National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), CED, UCE-OU, 7-8 November 2014.
- 19 **Srinivasa Kumar R** and Sachin Bhatia, "A Proposal for Prevention of Road-Accidents At-median Openings by Using Intelligent Transportation Systems", pp.42-45, paper presented in All India Seminar on Road safety, organized by Association of Transport Department Technical Officers, Hyderabad, Telangana, 2015.
- 20 **Srinivasa Kumar R**, "Geometric Design Aspects of Access Control for Prevention of Road Accidents", paper presented in All India Seminar on Road safety, organized by Association of Transport Department Technical Officers, Hyderabad, Telangana, 2015.
- 21 Rohit M.S.R., Prashanth S. K., Anukesh C. and **Srinivasa Kumar R**, Road Safety Concerns on Outer Ring Road – Hyderabad, One Day 2nd National Conference on "Sustainable Measures for Advanced Research and Technology in Civil Engineering" SMART 2K17, pp.105-110, 22nd April 2017

- 22 Vinay Kumar K and **Srinivasa Kumar R**, “Prediction of Pavement Condition Index from International Roughness Index using Merlin”, One Day 2nd National Conference on “Sustainable Measures for Advanced Research and Technology in Civil Engineering” SMART 2K17, 22nd April 2017
- 23 **Srinivasa Kumar R**, SinduChohan L. and Chandrakanth D., “Development of models for prediction of bitumen contaminated with wax”, 3rd National Conference on “Innovative Research in Civil Engineering” NCIRCE2K17 Under TEQIP-II, ISBN No. 9789383038527, 21 January 2017.
- 24 **Srinivasa Kumar R** and Koteswara Rao P.V., “Pavement evaluation using electronic 3-m rolling straight edge (ERSE), Proc., of 3rd National Conference on “Innovative Research in Civil Engineering” NCIRCE2K17, Organized by CED, Malla Reddy Engineering College, Dhulapally, Secunderabad, Under TEQIP-II, ISBN No. 9789383038527, pp.7-10, 21 January 2017.
- 25 Assessment of Stopping Sight Distance on Sag Curve at Overhead Structure, 3rd National Conference on “Innovative Research in Civil Engineering” NCIRCE2K17 Under TEQIP-II, ISBN No. 9789383038527, 21 January 2017.
- 26 Bharath Naik and **Srinivasa Kumar R**, “A Review on Flexural Performance of Recycled Aggregate Admixed with GGBS, Flyash and Fiber”, Two-day National Conference on Recent Trends in Structural Engineering, organized by CED, Methodist College of Engineering & Technology, Abids, Hyderabad during 6-7 Oct 2017.
- 27 Rohih Mane SR, N Kumara Swamy, **Srinivasa Kumar R** and PVS Koteswar Rao, “Economic Analysis of Flexible Pavement by Using Subgrade Soil Stabilized with Zycobond and Terrasil”, 1st National Conference on Trends in Science, Engineering and Technology, ISBN 97881-936274-0-2, Matrusri Eng College, Saidabad, Hyderabad, pp.34-38, during 2-3 Feb 2018.
- 28 PVS Koteswar Rao, S. nagabhushanam and **Srinivasa Kumar R**, “A study on Recycled Bituminous Pavement Materials Using Bitumen VG-30 Economic”, 1st National Conference on Trends in Science, Engineering and Technology, ISBN 97881-936274-0-2, Matrusri Eng College, Saidabad, Hyderabad, pp.16-19, during 2-3 Feb 2018.
- 29 Rohih Mane SR, and **Srinivasa Kumar R** and PVS Koteswar Rao, “Subgrade stabilization of Soil using Enzyme”, Symposium and Workshop for Analytical Youth in Applied Mechanics (SWAYAM) 2018, BITS Pilani, K. K. Birla Goa Campus, 4th– 6th July, 2018.
- 30 Kella Sanyasayya , R. Srinivasa kumar, Narendra Goud and Gande Sneha, Usage of GGBS and fly-ash in pavement quality concrete and its economic evaluation presented in 1st International Conference on Advances in Environmental Sustainability, Energy and Earth Science (AESEE-2024) SRM University Vijayawada March 14-16, 2024
- 31 Vamsee Murali J. , R. Srinivasa Kumar , G. Narendra Goud And Gande Sneha, Enhancement of bituminous mix properties using foamed bitumen admixed with LDPE: A Comprehensive Characterization Study presented in 1st International Conference on Advances in Environmental Sustainability, Energy and Earth Science (AESEE-2024), SRM University Vijayawada March 14-16, 2024.
- 32 K. Santhosh Kumar , R. Srinivasa Kumar, G. Narendra Goud and Gande Sneha, Assessment of construction and demolition waste use in subgrade soil strength enhancement presented in 1st International Conference on Advances in Environmental Sustainability, Energy and Earth Science (AESEE-2024), SRM University Vijayawada March 14-16, 2024.

INVITED GUEST-LECTURES

Year	Title of the Invited Guest Lecture	Conducted by Institute/Agency at Place
02-03-2021	1. Pavement Maintenance Management Systems and Road Asset Inventory 2. Pavement Condition Survey Using Network Survey Vehicle/Automated Road Survey System	Online Short Term Course on “Data Collection and Analytics in Pavement Management Systems”, IIT(BHU), Varanasi, UP.

05-05- 2022	Recent Advancements in Pavement Design	AICTE-QIP sponsored online short-term course on “Advances in Transportation Infrastructure Engineering” Conducted by the Department of Civil Engineering, IIT Indore, from 02 nd to 07 th May 2022
12-02-2024	Importance of Pavement Materials Characterization	Dept., of Civil Engineering, RVR&JC College of Engineering, Chowdavaram, GNT-522019.
31.08.2024	Overview on Flexible Pavement Design in India and Design of Flexible Pavement as per IRC:37-2018	One-day workshop on Recent Advances in Pavements for Infrastructure Development(RAPID-2024), in association with IGS (Indian Geotechnical Society) at Tadepalligudem Chapter, at Sasi Institute of Technology & Engineering(SITE), Tadepalligudem, WG, AP.

Other Information:

Courses Developed: Computer Applications & Design in Transportation Engineering; Computer programs were developed for Orientation of Runway and design of Rigid and Flexible pavements based on IRC:58, FAA, GI and CBR method.

Laboratories Handled: Transportation Engineering lab & Surveying Lab

CEC-UGC RESEARCH PROJECT

One project funded by Consortium of Educational Communication of University Grants Commission (UGC), New Delhi.

Title of the project: E-Content Development in Transportation Engineering.

Duration: One Year (2005-06), A Pilot Project has been completed on 02-08-2006.

ATTENDED WORKSHOPS & SHORT-TERM COURSES

1. A short-term course on “Geo-Informatics for Urban and Rural Mapping” conducted by Indian Institute of Surveying & Mapping, Survey of India, Hyderabad, during 3rd January to 13th January 2011.
2. Orientation Workshop on E-Content Proposal Development, held at Consortium for Educational Communication (CEC), an Inter University Centre of University Grants Commission on Electronic Media, New Delhi, from 13th to 15th December 2004.
3. A short-term course on “Object Oriented Programming with C++&VC++” offered by IIT, Kharagpur, during 22nd May to 9th June 2000.
4. A short-term course on “Advanced IT Applications to Civil Engineering” offered by IIT, Kharagpur, during 4th to 15th December 2000.
5. A short-term course on “CA Comprehensive Exposure” offered by IIT, Kharagpur, during 9th June to 15th July 1998.
6. Three Week SERC School on “GPS Applications and Atmospheric Constraints” Organized by Research& Training Unit for Navigational Electronic, OU, 13th June- 3rd July, 2012.
7. Three Week SERC School on “GPS Applications and Atmospheric Constraints” Organized by Research& Training Unit for Navigational Electronic, OU, 13th June- 3rd July, 2012.
8. Three-Days Training Program on “ Land Surveying Using GPS, Auto-level and Total Station, conducted during 1-3 July, 2015, by the Dept., of Civil Eng., UCE, Osmania University, Hyderabad.
9. Engineering Graphics Using AUTOCAD, Dept of Civil Engineering, UCE, Osmania University, Hyd, 9th October 2015, Under TEQIP-II.
10. Two-days Workshop on Design, Construction, Evaluation and Maintenance of Cement Concrete Pavements, 21-22, October 20016, in the Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad.

11. One day workshop on “Finite Element Methods”, CED, OUC, OU, 30th July 2016.
12. Two day workshop on “Structural Health Monitoring and Condition Assessment of Existing Structures”, 20-21, CED, OUC, OU, January, 2017.
13. Two-days National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), CED, UCE-OU, 7-8 November 2014.
14. 1st International Conference on Innovations in Engineering and Technology, ICRIET-2016, Organized by Aurora’s Scientific, Technological and Research Academy, Hyderabad
15. Two-days Workshop on Design, Construction, Evaluation and Maintenance of Cement Concrete Pavements, 21-22, October 2016, in the Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad.
16. Two-day Workshop on Teaching, Learning and Assessment Methodologies, UCE, OU during 13-14 Dec 2016.
17. Three-day Training Program on Ground Penetration Radar (GPR) Applications, in JNTUH, during 28-30 Dec 2017.
18. One-day National Workshop on Repair and Rehabilitation of structures, Dept of Civil Eng, OU, 28th Feb 2018.
19. Three-day 2nd International Conference on Innovations in Structural Engineering, Organized by the CED, UCE-OU, Hyderabad, 29-31 Dec 2017.
20. Traffic Problems in & around Hyderabad and Remedial Measures”, 15th June 2018.

CONDUCTED TRAINING PROGRAMS

As Co-ordinator and also Delivered a few lectures:

1. Three-day training program for the Junior Engineers of Rural Engineering Services Department, Govt. of U.P., on the topic “Quality Adherence in Construction of Rural Roads” from 26th to 28th August 2004, organized by the Department of Civil Engineering, Institute of Technology, Banaras Hindu University (BHU), Varanasi, UP.
2. Three-day training program for the Junior Engineers of Rural Engineering Services Department, Govt. of U.P., on the topic “Quality Adherence in Construction of Rural Roads” from 28th to 30th October 2004 organized by the Department of Civil Engineering, Institute of Technology, Banaras Hindu University (BHU), Varanasi, UP.
3. Organized a 2-Day Training Program on Recent Advances in Highway and Traffic Engineering, during 20-21, March-2009, Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad.
4. Three-Days Training Program on “ Land Surveying Using GPS, Auto-level and Total Station, conducted during 1-3 July, 2015, by the Dept., of Civil Eng., UCE, Osmania University, Hyderabad
5. Two-day Workshop/ Training Program on “Design, Construction, Evaluation and Maintenance of Cement Concrete Pavements” 21-22 October 2016, TEQIP-II. Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad.
6. Coordinator, Three-Days Training Program on “ GNSS Technologies and Its Applications”, conducted during 20-22 October, 2017, by the Dept., of Civil Eng., and NERTU, UCE, Osmania University, Hyderabad
7. Convener, “Traffic Problems in & around Hyderabad and Remedial Measures”, 15th June 2018.
8. Convener, “Field Demonstration of Falling Weight Deflectometer (FWD) and Network Survey Vehicle (NSV)”, Dept. Of Civil Engg, University College of Engineering, Osmania University, Hyderabad, India, 3rd December 2023.

PROJECTS GUIDED Master of Engineering (Transportation Engineering)

Sl. No.	Student Name	Title of M.E. Thesis
1	M. Shreevani	Economical Analysis of State Highway-1 Using HDM-4
2	Abdul Muqtadir	Applications Of Ground Penetrating Radar In Pavement Engineering
3	V. Anusha	Pavement Management system for state Highway-2 (Narketpally-Addanki), A Case Study

4	V. Bhasker	A Study on Geometric Design Parameters of Low-Speed Horizontal Road-Curves
5	D. Pruthvi Raj	Development of a Methodology for New Alignment Proposals of Rural Road Network Using PPK DGPS Technique: A Case Study
6	P. Muthuram Reddy	Evaluation and Analysis of Existing Rural Roads Alignment Using DGPS
7	Y. Gopi Lavanya	Design of Flexible Pavement by Replacing the Base Layers Stabilized with Jindal Global Road Stabilizer-A Case Study
8	K. Ajay Kumar	Traffic Growth Parametric Study for Hyderabad & Outer Ring Road (ORR)- A Case Study
9	Mehrdad Vakilzadehanaraki	Evaluation and Design of Coordinated Traffic Signal System for Selected Road Junctions In Hyderabad
10	Samiulhaq	Stabilization of Black Cotton Soil using Fly ash and Lime
11	Haritha N.	Assessment of Stopping Sight Distance on Sag Curve at Overhead Structure
12	Rama Rao H.	Evaluation of Geometric Design Inconsistencies in Sag Vertical Curves
13	Venkatesh S.	Silty-Soil Stabilization Using Bituminous Emulsion
14	M. Rambabu	Roughness Evaluation of Flexible Pavements using Merlin & Total Station Equipment
15	C. Narayana	A Study on Development of Parking Demand Model for High Court Premises – A Case Study
16	P. Suresh Babu	A Study on Recycled Bituminous Pavement Materials using VG-30
17	T. Phani Vikram	Stabilization of Black Cotton soil using RECORN 3S Fiber
18	Md. Ibrahim	Pavement Distress Condition Evaluation Using Rolling Straight Edge
19	K. Madhu Kumar	Saturation Flow Model at Signalized Intersection for Non-lane based Traffic
20	M. Srujan Kumar	Two-way Signal Coordination Using Simple Progressive System for a Three Signalized Junctions in Secunderabad
21	M. S. R. Rohith	Determination of Capacity at Unsignalized Intersections Under Mixed Traffic Flow Condition
22	Eshrak	A Study on Urban Parking Problems and Parking Demand
23	K. Shashi Kumar	Development of Delay Models for Roundabout with Heterogeneous Traffic Flow Condition
24	K. Chandana	Estimation of Pedestrian Level of Service on Selected Streets of Footpath in Hyderabad City

RECENT

Sl. No.	Student Name	Roll No.	Date	Title of M.E. Thesis
1	Y. V. Ravindranath	1005-13-746412	01-11-2016	Optimal Transport Planning in India Post Using GPS Technology: A Case Study
2	S. Nagabhushanam	1005-13-746410	01-11-2016	Study on Properties of dense Bituminous Macadam Mix Using Steel Slag by Partial Replacement of Aggregates
3	Lal Vishal	1005-14-741409	24-01-2017	Corridor Management Using Service Level Benchmarks (LB Nagar Ring Road to Uppal Ring Road)
4	J. Ramesh	1005-13-746403	30-01-2017	Optimization of Rural Roads Network for Public Transportation Operation: A Case Study
5	R. Chandrakanth	1005-15-741517	23-12-2017	Traffic Signal Coordination by Using VISSIM Software for Three Signalized Junctions at RTC X-Roads
6	K. Vinay Kumar	1005-15-741413	01-03-2018	Prediction of Pavement Condition Index by International Roughness Index Using MERLIN and 3-M Rolling Straight Edge Equipment
7	N. Kumara Swamy	1005-15-741409	04-04-2018	Stabilization of Black Cotton Soils Using Terrasil and Zycobond
8	C. Tej Deep Reddy	1005-15-	26-11-2018	Comparison of Road Alignment Survey Data

		746408		Measured by Using Unmanned Aerial Vehicles and Total Station
9	P. Vijender Reddy	1005-15-746406	05-11-2018	Structural Evaluation of Rigid Pavement Using Falling Weight Deflectometer(FWD)
10	D. Chandrakanth	1005-16-741411	05-11-2018	An Experimental Analysis and Efficacy of Bioenzyme on Red Earth and Black-cotton Soil
	K. Meghalatha	1005-16-741413	05-11-2018	Traffic Flow Simulation and Development of Delay Models at Toll Plazas
11	Ch. Sandeep	1005-16-741402	05-11-2018	An Empirical Capacity Model for Roundabouts Under Heterogeneous Traffic of Hyderabad
12	V. Priyanka	1005-14-741415	03-01-2019	Development of Delay Model and Simulation Study of Uncontrolled Median Opening Under Mixed Traffic Condition
13	Lakkaraju Mounika	1005-17-741409	Oct2019	Optimization of Roundabouts for heterogeneous traffic
14	Adouthu Ravinder Naik	1005-19-741401	Mar-2021	Road Accidents Risk Analysis by using Regression Method
15	GaddamSindhura	1005-19-741403	Mar-2021	Microsimulation of Traffic Modelling at Intersection using PTV Vissim
16	Hamid Noori	1005-19-741417	Dec-2021	Driving Behaviour Modelling and Evaluation of Traffic Stream Characteristics in Heterogeneous Traffic Conditions

ADMINISTRATIVE ACTIVITIES

1. In-charge, Transportation Engineering Laboratory from 26-12-2009 to 11-09-2012.
2. In-charge, Surveying Laboratory from 18 June 2016 to 02 July 2018.
3. In-charge, Transportation Engineering Laboratory and consultancy works Co-ordinator for the GHMC and HMRL works from 30 June 2018 to 24-06-2021.
4. Additional Chief Superintendent for conducting all semesters of B.E. and MCA UCE-OU Exams, Osmania University, since 20-10- 2017.
5. Member of BOS of CED, CBIT from 29-12-2017 to till today
6. Chief Superintendent, Recruitment Test-2018 for conducting of recruitment test for 600 candidates on 11-02-2018, letter dated on 30-01-2018.
7. Chief Superintendent, Recruitment Test-2018 for conducting of recruitment test for 600 candidates on 25-02-2018, letter dated on 12-02-2018.
8. Chief Superintendent for conducting a Test on 25-02-2018.
9. Member of BOS of CED, UCE-OU from Dt.15-02-2018 to till today.
10. Supervisor, Civil Services (Preliminary) Examination-2018, conducted on 03-06-2018 for 600 number of candidates, first time in OU Campus.
11. Addl. Controller of Examinations at Exam Branch, Confidential Section, University Level, October 2019- October 2020.
12. Faculty Advisor of M.E.(Civil-Transportation Engineering) Regular & PTPG Programs of CED, UCE, OU, from 24 June 2021 to Sept 2024
13. National Board of Accreditation (NBA) Coordinator for M.E. (Transportation Engineering) Program of CED, UCE, OU from 24-06-2021 till today.
14. In-charge, Surveying Laboratory from 24 June 2021 to Sept 2024.
15. Director, Estate Cell, Osmania University, from 4 August 2021 to May 2024.
16. In-charge, Transportation Engineering Laboratory from Sept 2024 to till date.

OTHER

1. Chief Superintendent for conducting ME/M.Tech (PTPG) Entrance Exam for the year 2018-19, w.r.t letter dated on 29-06-2018.
2. Subject Expert for Faculty Orientation Program on 6th July 2018, organized by the CED, Vignan Institute of Technology & Science, YadadriBhuvanagiri District, TS.

3. Interview provided with Suggestions & Observations on “Reduction of Traffic Problems on the Hyderabad Road” for a Radio Documentary work of a Masters in Journalism Thesis of The English and Foreign Languages University, Hyderabad.
4. Director, Estate Cell, Osmania University, from 4th August 2021 to may 2024.

List of PH.D.Supervised (Awarded PH.D.)

1. Rohith SR Mane, “A Study on Subgrade Soil Stabilization by Using Bio-Enzyme”, PHD45489, Awarded by Osmania University No. 926/Ph.D/Exams/2024, dt. 2- Dec-2024.
2. Prashanth Kumar Soma: “Development of Pavement Distress Assessment Models for Flexible Pavement Maintenance”, PHD45526, Awarded by Osmania University No. 930/Ph.D/Exams/2024, dt. 31- Dec-2024.
3. K. Shashi Kumar, “Evaluation of Operational Performance of Roundabout Intersections under Heterogeneous Conditions”, Awarded by Osmania University, January-2025.

Ph.D.- 2 (Submitted)

- 1) D. Bharath Naik,” A Study on Improving Effectiveness and Strength Evaluation of Low Quality Soil(S) With a Special Reference to Construction of Pavement Subgrade,” submitted to Osmania University, Hyderabad in March 2025.
- 2) D Siva “Influence of Polyolefin Fibers on Strength and Permeability of low-strength Recycled Aggregate Pervious Concrete for Pavement Application” submitted to Osmania University, Hyderabad in March 2025.

Ph.D.- 2 (In Progress)

- 3) Mohammad Hakim,”Modelling Performance Metrics and Optimization of Geometric Parameters of Multi-Type Roundabouts under Mixed Traffic Conditions”.
- 4) Gande Sneha, “Development of Pavement Distress Assessment Models and Maintenance Optimization of Flexible Pavements ”.