



SPECIALISATION

- Civil Engineering-Transportation Engineering

EDUCATION

Degree	Year of Graduation	Institute/University
Ph.D, Civil Engineering	2010	National Institute of Technology Karnataka, Surathkal, India.
M.E. , Highway Engineering	2004	University Visvesvaraya College of Engineering, Bangalore University, India.
B.E., Civil Engineering	2001	Sri Jagadguru Chandrasekaranathaswamiji Institute of Technology, Bangalore University, India.

EMPLOYMENT AND EXPERIENCE

Employment	During	Organisation
Assistant Professor	09/11/2012 – till date	National Institute of Technology Karnataka, Surathkal, Mangalore 575025, India.
Assistant Professor	05/01/2009 - 08/11/2012	Dayananda Sagar College of Engineering, Bangalore–560078, India.
Lecturer (Temporary)	Aug. 2007 - May 2008	National Institute of Technology Karnataka, Surathkal, Mangalore 575025, India.
Teaching Fellow	Aug. 2004 - July 2007	M/s Wilbur Smith Associates Pvt. Ltd., Bangalore 560 032, India.
Highway Engineer	June-July 2004	SJC Institute of Technology Chickballapur 562101. Karnataka, India.
Assistant Lecturer	Sep. 2001 - May 2002	

AREAS OF TEACHING AND RESEARCH INTEREST

- Studies on use of locally available materials, industrial wastes in road construction.
- Characterisation road materials and design of Road Mixes and Structures.
- Planning and Design of Low-Volume Traffic Roads, Highway and Airfield Pavements.
- Road Safety and Traffic Management.
- Road Asset Evaluation and Management.

ONGOING FUNDED PROJECTS

Project Title	Funding Agency	Amount	Duration	Role
Experimental Investigation on Rutting and Flexural Behaviour of Structural Asphalt Mixes with Warm Mix Asphalt Additives	SERB-DST, Government of India	INR 18,58,000/-	3 Years (Sep.2013 – Aug.2016)	Principal Investigator
Fund for Improvement of S&T Infrastructure - 2013	DST, Government of India	INR 1,10,80,000/-	5 Years (2013-2017)	Coordinator

RESEARCH GUIDANCE

Research Supervision	Ongoing	Completed
Ph.D.	02	---
M.Tech. (Research)	01	1
M.Tech. (Regular)	01	22

[Details in Annexure- A]

RESEARCH ARTICLES

Articles Published in	International	Indian
Journals	8	9
Procd. of Seminars/Conferences/Workshops	5	10

[Details in Annexure- B]

COURSES TAUGHT

Courses Taught as per the curriculum of NITK, Surathkal, India

(From Nov., 2012 to till date)

At Under Graduate Level (B.E/B.Tech)	At Post Graduate Level (M.Tech.)
<ul style="list-style-type: none"> ➤ Civil Engineering Materials Laboratory – II (CV367) ➤ Railways, Tunnels, Harbours, and Airports (CV 371) ➤ Concrete Technology (CV322) 	<ul style="list-style-type: none"> ➤ Transportation Engineering Lab (TS703) ➤ Transportation Design Studio (TS705) ➤ Traffic Engineering & Management (TS806) ➤ Pavement Management System (TS809) ➤ Pavement Materials (TS813) ➤ Infrastructure Development: Programmes, Planning and Appraisal (TS819)

Courses Taught as per the curriculum of Visvesvaraya Technological University, Belgaum, India.

(From Jan., 2009 to Nov., 2012)

At Under Graduate Level (B.E/B.Tech)	At Post Graduate Level (M.Tech.)
<ul style="list-style-type: none"> ➤ Concrete and Highway Materials Lab. 	<ul style="list-style-type: none"> ➤ Highway Materials ➤ Traffic Engineering and Design ➤ Road Projects ➤ Highway Planning and Economic Analysis ➤ Road Construction Planning and Management ➤ Pavement Management System ➤ Advanced Traffic Engineering ➤ Airport Planning and Design Structures

ASSOCIATION WITH PROFESSIONAL BODIES

Organisation	Country	Membership Grade [No.]
Association of Consulting Civil Engineers (India)	India	Fellow Member [FM-3416]
Indian Society for Technical Education – ISTE	India	Life Member [LM 33134]
Indian Roads Congress – IRC	India	Life Member [LM28288]
The Institution of Engineers (India)	India	Member [M-146541-9]
Indian Geotechnical Society	India	Life Member [LM-3691]
Institute of Urban Transport (India)	India	Life Member [M-1387]
American Society of Civil Engineers	USA	Member [9512797]
Association of Asphalt Pavement Technologists	USA	Member
American Society for Testing and Materials International	USA	Participating Member
World Road Association	France	Member
International Society for Concrete Pavements	USA	Member

PROFESSIONAL DEVELOPMENT HOURS AND CREDITS EARNED

Type of Event	Title	Professional Organisation	Credit(s)	Grade (%)
Webinar	Bus Rapid Transit - A Civil Engineering Perspective - Part III of III	American Society of Civil Engineers	0.1	100.0
Webinar	Bus Rapid Transit - A Viable Alternative - Part I of III	Civil Engineers	0.1	90.0
Webinar	Bus Rapid Transit - A Viable Alternative - Part II of III		0.1	100.0
Webinar	Structural Design of Municipal Streets and Roadways Using Interlocking Concrete Pavement		0.1	80.0
Webinar	A Closer Look at Road Diets		0.1	80.0
Webinar	Benefits of Pavement Reclamation: How In-Place Recycling has Worked for National Parks/Forests		0.1	100.0
Webinar	Complying with the MUTCD-Traffic Signing for Horizontal Curves		0.1	90.0
Webinar	Developing, Implementing, & Managing a Comprehensive Citywide Traffic Signal Coordination Program		0.1	80.0
Webinar	Permeable Pavement – Design Considerations and Tips for Avoiding Failures		0.2	100.0

WORKSHOPS/TRAINING PROGRAMMES/SEMINARS/CONFERENCES PARTICIPATED

Type of Event	Name of the Event	Dates & Duration	Organised by
Workshop	“Using Science and Data in Road Safety Management”	15-16, February 2013. (2 Days)	Department of Civil Engineering, IIT Madras, Chennai.
Workshop	“Warm Mix Asphalt –Challenges and Way Forward”	8-9, August 2013. (2 Days)	Department of Civil Engineering, IIT Madras, Chennai.
International Course	“International Course on Dissemination of HDM-4”	16-27, September 2013. (12 Days)	CSIR-Central Road Research Institute, New Delhi.

INVITED LECTURES

Title of the Lecture	Date & Venue	Occasion & Organisers
ICTs and Improving Road Safety	May 21, 2013 Hotel Woodlands, Mangalore.	World Telecommunication & Information Society Day-2013 The Institution of Engineers (India), Mangalore Local Centre
Quality Control and Maintenance	September 05, 2014 & January 22, 2015 Department of Civil Engineering, NITK	Continuing Education Programme on 'Design, Construction & Maintenance of All Weather Roads' for Karnataka Public Works & Irrigation Department Engineers, Centre for Continuing Education, NITK.
Future Transportation Projects - Opportunities and Challenges for Civil Engineers	January 23, 2015 Lions Seva Bhawan, Mangalore	Regular Guest Lecture Association of Consulting Civil Engineers (India), Mangalore Centre.
Transportation Projects in India - Opportunities for Civil Engineers	March 25, 2015, NMAH Institute of Technology, Karkala	ACCE (I) - Engineers' Week (2015) Programme, ACCE(I)-Mangalore Centre.
An Overview on Transportation Projects in India and Opportunities for Civil Engineers	March 26, 2015 Shri Madhwa Vadiraja Institute of Technology & Management, Udupi District	
Birds-eye View on Vision Documents of Transportation Development Plan in India	March 31, 2015, Manipal Institute of Technology	
Highlights of Standards and Specifications for Highway Pavement Construction	April 11, 2015 KVG College of Engineering, Sullia	
Advanced in Pavement Materials and State of the Practice in India	October 20, 2015 NMAM Institute of Technology, Nitte.	Three-day short term technical training Programme for Engineers of Udupi Nirmithi Kendra, District Urban Development Cell and Endowment Department organised by the Department of Civil Engineering, NMAM Institute of Technology, Nitte.
Advanced in Pavement Materials: Bituminous Binders	February 20, 2016 Hotel Madhuvan Serai, Manipal	Two-day short term technical and administration training programme for all Nirmithi Knedra's Project Directors/Engineers, organised by the Udupi Nirmithi Kendra, Udupi.

WORKSHOPS/TRAINING PROGRAMMES/SEMINARS/CONFERENCES ORGANISED

Type of Event	Name of the Event	Dates	Sponsored by	Role
Workshop	"Professional Skill Development Programme" for the Post Graduate Students of Department of Civil Engineering, NITK.	26-28 Aug., 2013 13-15 Sep., 2013 08-10 Oct., 2013	TEQIP-II, NITK, Surathkal	Coordinator
International Workshop	"Civil Infrastructure and Structural Materials" jointly organised by the DCE, NITK, Surathkal and the DCEE, Michigan State University.	28-29 July, 2014	TEQIP-II, NITK, Surathkal	Convenor
Workshop	"Mitigation of Road Disasters" jointly organised by the Centre for Disaster Risk Reduction and the DCE, NITK, Surathkal.	15-17 Sep., 2014	TEQIP-II, NITK, Surathkal	Coordinator
Seminar	"Rheo-Tribology" jointly organised by the DCE, NITK and M/s Anton Paar India Pvt. Ltd.,	10 February, 2016	M/s Anton Paar	Coordinator

REVIEWER OF ARTICLES FOR JOURNALS

- Journal of Materials in Civil Engineering, American Society of Civil Engineers.
- International Journal of Pavement Engineering, Taylor and Francis.
- Journal of Testing and Evaluation, American Standard for Testing and Materials.
- Journal of Construction and Building Materials, Elsevier Publications.
- Journal of Transportation in Developing Countries, Springer Publications.
- Journal of Innovative Infrastructure Solutions, Springer Publications.
- Publications of Indian Roads Congress.
- Indian Journal of Engineering & Materials Sciences, National Institute of Science Communication and Information Resources, India.

AWARDS AND RECOGNITION

- "Young Scientist" Research Grant from Scientific and Engineering Research Council, Department of Science and Technology, Government of India, 2013.
- "Teaching Fellowship" at National Institute of Technology Karnataka, Surathkal, India, 2004 -2008.
- "GATE (Post Graduate Scholarship)" from Ministry of Human Resource and Development, Government of India, 2002-2003.

SOCIAL OUTREACH ACTIVITY

- Voluntarily engaged in supporting the need based blood transfusions. I do encourage my family members, relatives, friends and students in this cause.

ROLE AND RESPONSIBILITY AT THE INSTITUTE LEVEL (NITK, SURATHKAL)

- In charge, Transportation Engineering Laboratory. (from 01/03/ 2014 to till date)
- In charge, Computer Aided Design Laboratory-II. (from 16/08/2013 to till date)
- Member, Department Testing and Consultancy Recommendation Committee. (from 01/07/2013 to till date)
- Faculty Advisor, Second Year B.Tech. Civil Engineering (Academic Year 2013-14)
- Faculty Advisor, NITK- American Society of Civil Engineers Student Chapter.

Suresha S. N.

ANNEXURE – A: “RESEARCH GUIDANCE”

Guidance for M.Tech. Dissertation Works

Dissertations submitted to the **Visvesvaraya Technological University, Belgaum, India.**

Sl.No.	Student Name	Dissertation Title	Month, Year
1	Mr. Satish D.	Laboratory evaluation of interface bond strength between UTW and HMA layer by direct shear method.	Jul., 2011
2	Mr. Harish H.S.	Studies on mobility indicators and the effect of congestion reduction measures on the movement of vehicular traffic along G-6 bust route in Bangalore city using micro simulation software.	Aug., 2011
3	Mr. Prasad B.R.	Laboratory studies on effect of interlayer treatment on the bond strength between HMA composites by direct shear test.	Oct., 2011
4	Mr. Gyanen Takhelmayum	Experimental investigation on comparison of properties of pervious concrete using stone dust and river sand.	Nov., 2011
5	Mr. Langpoklakpam Deni Singh	Comparative study on the properties of expansive soils stabilised with RBI Grade-81, Cement, and Lime.	Nov., 2011
6	Mr. Muralidhara H.	Dynamic route clearance for emergency vehicle pre-emption on a selected stretch from Nayandahalli junction and Devogowda petrol bunk junction in Bangalore city using VISSIM	Dec., 2011
7	Ms. Bhavya A.*	Uses of waste plastic and crumb rubber modified bitumen in structural layers of flexible pavements.	Jan., 2012
8	Ms. Sindhu Narasimaiah	A Comparative study between bituminous macadam and asphalt treated permeable base layers	Aug., 2012
9	Mr. Shivaraj B.S.	Experimental investigation on mix design properties and moisture sensitivity characteristics of dense bituminous macadam mixes modified with REDISET, a warm mix additive.	Sep., 2012
10	Mr. Kiran Kumar K	Evaluation of Road Condition and prioritization of road maintenance activity of selected stretches of PMGSY roads in the State of Karnataka.	Sep., 2012

*Joint guidance with Dr. B.V. Kiran Kumar, Assistant Professor, SKSJIT, Bangalore.

Dissertations submitted to the **National Institute of Technology Karnataka, Surathkal, India.**

Sl.No.	Student Name	Dissertation Title	Month, Year
11	Mr. Manda Rakesh	Evaluation of indirect tensile strength of HMA subjected to short-term ageing.	July, 2013
12	Ms. Sneha N.S.	Airfield capacity analysis of Trivandrum International Airport using FAA Airfield Capacity Spreadsheet model.	June, 2014
13	Ms. Shajila D.S.	Study on mix design and performance properties of half warm bituminous emulsion mixtures.	June, 2014
14	Ms. Chinju Chandran	Evaluation of mix design and properties of cationic bitumen emulsion based cold mixes with cement and fly ash.	July, 2014
15	Mr. Anurag Thombre	Assessing the service quality of intercity public bus transport using fuzzy logic approach.	July, 2014
16	Mr. Roopak Phandis	Effect of carriageway width and traffic composition on PCU value using simulation.	July, 2014
17	Mr. Kunal	Vehicular occupant star rating of B.C.Road to Hass stretch of NH-48 by iRAP methodology.	July, 2014
18	Ms. Nivya George	Development of suitable maintenance strategies for main central road (SH-I) using HDM-4.	July, 2014
19	Ms. Maneesha B.	Study on pedestrian – vehicle interactions and its effect on traffic at intersections	July, 2015
20	Mr. Revanth Nannapaneni	A study on plausible migration of passengers to public transport based on vehicle occupancy	July, 2015
21	Mr. Pavan Kumar K.	A study on effect of curb side parking on the on-stream traffic using cox proportional hazard based duration model	July, 2015
22	Mr. Manoj B.S.	Laboratory investigation of shear strength in tack coats between HMA layers under direct shear and fatigue shear test	July, 2015

Guidance for M.Tech.(Research) Dissertation Works

Sl.No.	Student Name	Dissertation Title	Month, Year
1	Mr. Abhijith B.S.	Investigation of bailey method for gradation selection in HMA mixtures over conventional method adopted in India	August, 2015

ANNEXURE – B: “RESEARCH ARTICLES”

INTERNATIONAL JOURNALS

1. Punith V.S., **Suresha S.N.**, Sridhar Raju, Sunil Bose, A. Veeraragavan. (2012). [“Laboratory investigation of open-graded friction course mixtures containing polymers and cellulose fibers”](#). *Journal of Transportation Engineering*, 138 (1), pp.67-74. [Publisher: American Society of Civil Engineers, VA, USA]
2. **Suresha S.N.**, Varghese George, and Ravi Shankar, A.U. (2010). [“Properties of cellulose fibres and waste plastics modified porous friction course mixes.”](#) *The Baltic Journal of Road and Bridge Engineering*, 5(3), pp. 156-163. [Publisher: Vilnius Gediminas Technical University, Lithuania].
3. **Suresha S.N.**, Varghese George, and Ravi Shankar, A.U. (2010). [“Effect of aggregate gradations on properties of porous friction course mixes.”](#) *Materials and Structures*, 43(6), pp. 789-801. [Publisher: RILEM and Springer, The Netherlands].
4. **Suresha S.N.**, Varghese George, and Ravi Shankar, A.U. (2010). [“Laboratory and theoretical evaluation of clogging behaviour of porous friction course \(PFC\) mixes,”](#) *International Journal of Pavement Engineering*, 11 (1), pp. 61 -70. [Publisher: Taylor & Francis, London]
5. **Suresha S.N.**, Varghese George, and Ravi Shankar, A.U. (2009). [“Evaluation of properties of porous friction course \(PFC\) mixes for different gyration levels.”](#) *Journal of Materials in Civil Engineering*, 21(12), pp. 789 -796. [Publisher: ASCE, VA, USA]
6. **Suresha S.N.**, George Varghese, and Ravi Shankar, A.U. (2009). [“Characterization of porous friction course mixes for different Marshall compaction efforts,”](#) *Construction and Building Materials*, 23 (8), pp. 2887-2893. [Publisher: Elsevier Ltd., The Netherlands]
7. **Suresha S.N.**, Varghese George, and Ravi Shankar, A.U. (2009). [“A comparative study on properties of porous friction course mixes with neat bitumen and modified binders,”](#) *Construction and Building Materials*, 23 (3), pp. 1211-1217. [Publisher: Elsevier Ltd., The Netherlands]
8. Ravi Shankar A.U., and **Suresha S. N.** (2006). [“Strength behaviour of geogrid reinforced shedi soil subgrade and aggregate system,”](#) *Road Materials and Pavement Design (RMPD) an International Journal*, 7-3/July-September, pp. 313-330. [Former Publisher: Hermes Science Publications, France. Present Publisher: Taylor & Francis, London]

INDIAN JOURNALS

1. A.U.Ravi Shankar, **Suresha S. N.**, Sai Kumar G.M.V.S. (2014). “Properties of porous friction course mixes for flexible pavements.” *Indian Highways*, 42-3, pp.15-25. [Publisher: Indian Roads Congress, New Delhi, India]
2. **Suresha S.N.**, Ravi Shankar, A.U., and Varghese, G. (2009). “Design charts for drainage capacities of granular sub-bases.” *Journal of the Indian Roads Congress*, 70-1, pp.89-99. [Publisher: Indian Roads Congress, New Delhi, India]
3. Ravi Shankar A.U., **Suresha S.N.**, and Kashinath B. (2008). “Characterization of lateritic soil modified with pond ash and cement,” *Indian Highways*, 36-6, pp.21-28. [Publisher: Indian Roads Congress, New Delhi, India]
4. **Suresha S.N.**, Ravi Shankar, A.U., and Varghese, G. (2007). “Investigation of porous friction courses (PFC) and mixes: a brief overview.” *Indian Highways*, 35-7, pp.21-43. [Publisher: Indian Roads Congress, New Delhi, India]
5. Ravi Shankar A.U., **Suresha S.N.**, and Anil Kumar G. (2006). “An approach to develop granular sub base mixes using locally available materials,” *Highway Research Bulletin, No. 75, October*, pp.1-10. [Publisher: Indian Roads Congress, New Delhi, India]
6. Ravi Shankar A. U., H. V. Venkata Krishna, and **Suresha S.N.** (2006). “Mix design aspects of steel fibre reinforced concrete (SFRC), pavement design.” *Indian Highways*, 34-5, pp. 43-50. [Publisher: Indian Roads Congress, New Delhi, India]
7. Ravi Shankar A. U., **Suresha S. N.**, and Phanikumar M. V. S. (2006). “Strength behaviour of shedi soil-lime-pond ash mixes- an experimental study,” *Highway Research Bulletin, No. 74, April*, pp. 1-7. [Publisher: Indian Roads Congress, New Delhi, India]
8. Ravi Shankar A. U., Venkata Krishna H. V., and **Suresha S.N.** (2005) “Concrete mix design aspects using fly ash for rigid pavements.” *Indian Highways*, 33-12, pp.5-21. [Publisher: Indian Roads Congress, New Delhi, India]
9. Sridhar R., **Suresha S. N.**, Sunil Bose, and Veeraragavan A. (2005). “Study of polymer and fibre modified open graded friction courses,” *Journal of the Indian Roads Congress*, 66-2, Paper No.514, pp. 291-318. [Publisher: Indian Roads Congress, New Delhi, India]

INTERNATIONAL SEMINARS/CONFERENCES/WORKSHOPS

1. Shiva Kumar G and **Suresha S. N.** (2016). "Evaluation of volumetric properties of WMA mixtures made using SGC and Marshall compaction", presented in the Conference on Sustainable Asphalt Pavements for Developing Countries, organized by CSIR-Central Road Research Institute and Academy of Scientific and Industrial Research during 11-12 March 2016 at New Delhi.
2. Abhijith B S and **Suresha S. N.** (2015). "Effect of Aggregate Gradation and Bitumen Content on Workability of HMA Mixtures." *In the Proceedings of the 4th International Engineering Symposium (IES2015)*, held at Kumamoto University, Japan, during 4-6 March, 2015.
3. Kiran Kumar K and **Suresha S. N.** (2012). "Evaluation of Pavement Condition of PMGSY Roads in Selected Stretches of Mangalore District." *In the Proceedings of International Conference on Advances in Architecture and Civil Engineering*, held at M.S.Ramaiah Institute of Technology, Bengaluru-560054, during 21st to 23rd June, 2012, Vol. 1, pp. 561-564.
4. Ravi Shankar A.U., **Suresha S.N.**, and Anil Kumar G. (2006). "An approach to develop granular sub base mixes using locally available materials." *In the Proceeding of the International Seminar on Innovations in Construction and Maintenance of Flexible Pavements*, Theme-IV "Flexible Pavements for Low Volume Roads (Rural Roads)," 2nd to 4th September, held at Agra, India.
5. Punith V.S., **Suresha S.N.**, Sridhar R, Sunil Bose, and Veeraragavan A. (2004). "Characterization of fiber and polymer modified porous asphalt mixes." In: CD-ROM, 83rd Annual Meeting of Transportation Research Board (TRB), National Research Council, Washington D. C.

NATIONAL SEMINARS/CONFERENCES/WORKSHOPS

1. Abhijith B S and **Suresha S. N.** (2015). "Experimental studies on rutting potential of Bailey Asphalt Mixtures." Presented during *2nd Conference Transportation Systems Engineering & Management*, held during May 1-2, 2015 at NIT Tiruchirappalli.
2. Sindhu N., and **Suresha S. N.** (2012). "Study on Bituminous Macadam." *In the proceedings of National Conference on Developments and Opportunities in Civil Engineering, Applied Sciences and Mechanical Engineering-DOCAM 2012*, held at East West Institute Technology, Bangalore, Karnataka, during 18th to 19th May 2012.
3. Harish H.S., and **Suresha S. N.** (2012). "Studies on mobility indicators and the effect of congestion reduction measures on the movement of vehicular traffic along G-6 bus route in Bangalore city using micro simulation software," In the Proceedings of the *National Conference on Thrust Areas of Engineering(NCTAE-2012)*, held on January 21-22, 2012, at Global Academy of Technology, Bangalore, Karnataka.
4. Deni Sing L., and **Suresha S. N.** (2012). "Comparison of consistency limit and relative indices of black cotton soil treated with RBI Grade – 81, cement, lime," In the Proceedings of the *National Conference on Thrust Areas of Engineering(NCTAE-2012)*, held on January 21-22, 2012 at Global Academy of Technology, Bangalore, Karnataka.
5. **Suresha S.N.**, and Ravi Shankar, A.U. (2007). "Permeability characteristics of GSB mixes developed using marginal and waste materials," 22nd-24th May, Presented in the *National Conference and Exposition on Rural Roads*, held at New Delhi, India, 144-153.
6. **Suresha S.N.**, and Ravi Shankar, A.U. (2007). "Road development activity and techno-economic evaluation of highway projects." Proceeding of National Seminar on ROADS – 2007, 1st – 2nd March, Organized by The Institute of Engineers (IE), Belagaum Local Centre, Karnataka, India, 27-33.
7. **Suresha S.N.**, Ravi Shankar, A.U., and Varghese, G. (2007). "Ecological benefits of porous friction course (PFC) pavements." Proceeding of National Seminar on ROADS – 2007, 1st – 2nd March, Organized by The Institute of Engineers (IE), Belagaum Local Centre, Karnataka, India, 433-439.
8. **Suresha S. N.**, and A.U.Ravi Shankar. (2005). "Current highway infrastructure development activity and practice in environmental impact assessment of highway projects." *Procd. of National Conference on Synergic Solutions For Sustainable Development : Prescription For Prosperity*, Eds. Dr.M.N.Madhyastha and Dr. S.Srihari, Publishers : Research Publishing Services, Chennai, India, 13-19.
9. Ch. Nageshwar Rao, **Suresha S. N.**, and A. U. Ravi Shankar. (2005). "Current Practice in Highway Embankment and Subgrade Construction." Paper presented in National Level Workshop on Recent Construction Practices on Expansive Soils, Embankments, and Highways, Vijayanagar Engineering College, Bellary, Karnataka, India.

10. **Suresha S. N.**, Manjesh L, Punith. V. S., Sridhar R., and, Sunil Bose. (2003). "Characterization of porous asphalt mixes," Proc. of *National Seminar on Improvement, Rehabilitation and Maintenance of Roads (IRAM)*, 22nd -23rd August, Government Engineering College, Aurangabad, Maharashtra, India, 107-112.