

Cellphone :

e-Mail ID : malarnaveen1@gmail.com

Address :



Present Position

Associate professor, Department of Civil Engineering, College of Engineering Guindy, Anna University, Chennai from December-2018.

Previous Positions

- > Assistant Professor, Division of Transportation Engineering, College of Engineering Guindy, Anna University, Chennai during December-2003 and December-2018.

Previous Additional Responsibility

- > , , Anna University, Chennai.

Other Employment

- > Design Engineer, Shree Bhavani Constructions, Chennai for 1 YEAR.
- > Traffic Design Engineer, Kirloskar Consultants Ltd Chennai for 6 MONTHS.
- > , .
- > Quantity Surveyor, ICG, Kuwait for 8 Months.
- > Project Co-ordinator, Chitra Constructions Pvt, Ltd, Chennai for 1 YEAR 6 MONTHS.
- > Teaching Research Associate, ANNA UNIVERSITY for 2 years.

Degree

- ❖ M.E. in CIVIL ENGINEERING , ANNA UNIVERSITY, ANNA UNIVERSITY, CEG (1994 - 1996).
- ❖ B.E. in CIVIL ENGINEERING , P.S.G TECH, COIMBATORE, BHARATHIAR UNIVERSITY (1989 - 1993).
- ❖ Ph.D. in CIVIL ENGINEERING , Anna University, 2010.

Research Degree

- ❖ Ph.D. in TRANSPORTATION PLANNING from Faculty of CIVIL, ANNA UNIVERSITY, ANNA UNIVERSITY (2002).
Title: SYSTEM DYNAMICS APPROACH FOR EVOLVING PARKING STANDARDS FOR COMMERCIAL ACTIVITIES OF A METROPOLITAN AREA.

Area of Specialisation

- TRANSPORTATION PLANNING, PAVEMENT DESIGN AND EVALUATION

Membership in Professional Organization

- Institute of Urban Transport (ID number: M 576)
- Indian Roads Congress (M-37653)
- Institute of Transportation Engineers, Inc (ID number: 1030396)

Research Guidance

Number of Ph.D Scholars Guiding : 4
Number of M.E./ M.Tech. Projects : 57
Guided
Number of M.E./ M.Tech. Projects : 10
Guiding

Papers Published in Journals

Research Papers Published in International Journals : 10
Research Papers Published in National Journals : 1

1. Shanmugasundaram V, Malarvizhi.G, " Review of Parking Standards - a Case Study of Chennai", HIGHWAY RESEARCH JOURNAL, published by INDIAN ROADS CONGRESS. Vol. 74, Issue 10, pp. 93-103 (2006).
2. Sivasubramanian.J, Malarvizhi.G, "A systems Dynamics Methodology for Assessing Parking Demand for Commercial Shopping Area", TRID-TRB, published by Transport Research Board. (2010).
3. Ganapathi Malarvizhi, N.Senthil,C.Kamaraj, "A Study on Recycling of Crumb Rubber and Low Density Polyethylene Blend on Stone Matrix asphalt", International Journal of Scientific and Research Publications,, Vol. 2, Issue 10, pp. 1-16 (2012).
4. Ganapathi Malarvizhi, Lenin.R, "Pavement Condition Evaluation For Selected Roads in Chennai", WULFENIA journal, Austria, published by KLAGENFURT, AUSTRIA. Vol. 20, Issue 7, pp. 200 - 211 (2013).

5. G.Malarvizhi,C.Kamaraj, Athira.P.K, "Characterization of Thermal, Rheological and Microscopic Properties of Crumb Rubber Modified Binders", International Journal of Earth Sciences and Engineering, published by Cafet-Innova Technical Society. Vol. 8, Issue 3, pp. 1424 - 1438 (2015).
6. G.Malarvizhi, "Design of Open Graded Frictional Course (OGFC) in Pavements with Polymer Modified Bitumen ", International Journal of Applied Engineering Research (IJAER), published by Research India Publications. Vol. 10, Issue 8, pp. 20067 - 20079 (2015).
7. Ganapathi Malarvizhi, Sabermathi.R, C.Kamaraj, "Laboratory Study on Nano Clay Modified Asphalt Pavement", International Journal of Applied Engineering Research (IJAER), published by Research India Publications. Vol. 10, Issue 8, pp. 20175 - 20190 (2015).
8. Ganapathi Malarvizhi, Arun Prasad.B, " Performance Investigation on the use of Glass Fibre in Stone Matrix Asphalt.", Investigacion Clinica, published by Universidad Del Zulia. Vol. 58, Issue 3, pp. 300 - 312 (2017).
9. " Pavement performance prediction modelling for Chennai", Revista De La Facultad De Agronomia De La Universidad Del Zulia Journal, published by Univ Zulia, Facultad Agronomia, Venezuela. pp. 296 - 305 (2018).
10. Ganapathi Malarvizhi, Muthupriya.V.M, " Retarding Premature reflective cracking in bituminous pavement using geosynthetics.", International Journal of Scientific Research and Reviews (IJSRR), published by CSIR Publication. Vol. 8, Issue 1, pp. 2409-2422 (2019).
11. Ganapathi Malarvizhi , Y.C.Thilakar, " Design of Mastic Wearing Course Using Reclaimed Asphalt Pavement (RAP)", International Journal of Advanced Scientific Research and Management(IJASRM), Vol. 4, Issue 5, pp. 309-315 (2019).

Papers Presented in Programmes

Research Papers Presented in International Programmes : 3
Research Papers Presented in National Programmes : 18

1. G.Malarvizhi, "Parking Pricing" presented in a National level seminar on National Level Seminar on "Parking Management in Metropolitan Cities- A Case Study of Chennai, organised by Division of Urban Systems Development, Anna university, India from 20-Mar-2002 to 20-Mar-2002.
2. "Assessment of Parking Specification Units For Urban Activity Centers" presented in a National level seminar on Proceedings of students Symposium on Research in Civil Engineering, organised by Indian Institute of Technology, Madras, India from 05-Mar-2009 to 06-Mar-2009.
3. "Development of Accident Prediction Model for Urban Roads" presented in a National level conference on Second National Conference on "Latest Advancements in Civil Engineering" (LACE – 2012). , organised by RMKEC, India from 18-Apr-2012 to 18-Apr-2012.
4. "Activity Based Travel Demand Modeling " presented in a National level conference on Second National Conference on "Latest Advancements in Civil Engineering" (LACE – 2012). , organised by RMKEC, India from 18-Apr-2012 to 18-Apr-2012.

5. "Optimization of Bus Routes for South Chennai" presented in a National level conference on Second National Conference on "Latest Advancements in Civil Engineering" (LACE – 2012), organised by RMKEC, Chennai, India from 18-Apr-2012 to 18-Apr-2012.
6. "A Study o Recycling of Crumb Rubber and Low Density Polyetheylene Blend on Stone Matrix Asphalt" presented in a International level conference on International Level Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC), organised by Indian Institute of Technology,Bombay, India from 12-Dec-2012 to 14-Dec-2012.
7. "Parking Demand Assessment for Evolving Parking Standards for Commercial Area of a Metropolitan City- A System Dynamics Approach" presented in a International level conference on International Level Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC), organised by Indian Institute of Technology,Bombay, India from 12-Dec-2012 to 14-Dec-2012.
8. Lenin. R , G. Malarvizhi, " Corridor Development for a selected stretch in Chennai City" presented in a National level conference on Proceedings of National Conference on Advanced Trends in Civil Engineering ATCE'13, organised by Karpagam College of Engineering, Coimbatore, India from 08-Mar-2013 to 08-Mar-2013.
9. "Laboratory investigation of the properties of crumb Rubber Modified Bitumen on Stone Mastic Asphalt Mix" presented in a National level conference on Proceedings of National Conference on Advanced Trends in Civil Engineering ATCE'13, organised by Karpagam College of Engineering, Coimbatore, India from 08-Mar-2013 to 08-Mar-2013.
10. "Thermal, Rheological and Microscopic Analysis of Polymer Modified Binders" presented in a National level conference on Proceedings of National Conference on Advanced Trends in Civil Engineering ATCE'13, organised by Karpagam College of Engineering, Coimbatore, India from 08-Mar-2013 to 08-Mar-2013.
11. "Design of Open Graded Frictional Course for Pavement with Modified Binders" presented in a National level conference on Proceedings of National Conference on Advanced Trends in Civil Engineering ATCE'13, organised by Karpagam College of Engineering, Coimbatore, India from 08-Mar-2013 to 08-Mar-2013.
12. "Development of Pavement Management System for Selected Roads in Chennai" presented in a National level conference on Third National Conference on "Latest Advancements in Civil Engineering" (LACE – 2013). , organised by RMKEC, Chennai, India from 18-Apr-2013 to 18-Apr-2013.
13. Bhavya. P, and G Malarvizhi, "A Laboratory Study on Nanoclay Modified Asphalt Pavement"" presented in a National level conference on National Level Conference on Modelling, Simulation and optimization(NCMSO 2013), organised by Vels Univeristy, India from 09-Nov-2013 to 09-Nov-2013.
14. "Piezo Powered Pavements" presented in a National level conference on National Level Conference on Modelling, Simulation and optimization(NCMSO 2013), organised by Vels Univeristy, India from 09-Nov-2013 to 09-Nov-2013.

15. "System Dynamic Methodology for Assessing Parking Demand for Multistoreyed Commercial Shopping Complexes" presented in a National level conference on National Level Conference on Modelling, Simulation and optimization(NCMSO 2013), organised by Vels Univeristy, India from 09-Nov-2013 to 09-Nov-2013.
16. Vinitha.S , G.Malarvizhi, "Pavement Performance Prediction Modeling For Chennai Urban Roads" presented in a National level conference on National Conference on Recent Advancements in Geotechnical Engineering, Coimbatore, , organised by Government College of Engineering Coimbatore and IGS Coimbatore Chapter, India from 17-Apr-2015 to 17-Apr-2015.
17. "Retarding Premature Reflective Cracking in Bituminous Pavement using Geosynthetics" presented in a National level conference on National Conference on Recent Advancements in Geotechnical Engineering, Coimbatore, , organised by Government College of Engineering Coimbatore and IGS Coimbatore Chapter, India from 17-Apr-2015 to 17-Apr-2015.
18. "Utilization of Reclaimed Asphalt Pavement in Bituminous Concrete Mix" presented in a National level conference on National Conference on Recent Advancements in Geotechnical Engineering, Coimbatore, organised by Government College of Engineering Coimbatore and IGS Coimbatore Chapter, India from 17-Apr-2015 to 17-Apr-2015.
19. "Design , Construction and Economic Analysis of White Topping Pavenments" presented in a National level conference on National Conference on Recent Advancements in Geotechnical Engineering, Coimbatore, organised by Government College of Engineering Coimbatore and IGS Coimbatore Chapter, India from 17-Apr-2015 to 17-Apr-2015.
20. "Impact of Skid Resistance and Texture Depth on Road Pavement" presented in a National level conference on National Conference on Recent Advancements in Geotechnical Engineering, Coimbatore, organised by Government College of Engineering Coimbatore and IGS Coimbatore Chapter, India from 17-Apr-2015 to 17-Apr-2015.
21. G.Malarvizhi , "Retarding Premature Reflective Cracking in Bituminous Pavement Using Geosynthetics" presented in a International level conference on 8th International Conference on Engineering and Advancement in Technology, organised by Organization of Science & Innovative Engineering and Technology (OSIET) Chennai in association with IEEE, India from 22-Mar-2018 to 23-Mar-2018.

Books Published

1. "Highway Lab Manual" - second edition authored by Dr.G.Malarvizhi and published by Print Akshara, Chennai.(2018)

Current Sponsored Projects

1. "Development of Pavement Condition Index for Urban Roads" (September-2015 - December-2020). Project Cost: 15.00.

Sponsored Projects Completed

1. "Pavement Performance Modelling for Urban Roads." (June-2008 - August-2011). Project Cost: 20.00.

Programme Chaired

1. Chairman, International level workshop.

Programme Organized

1. International level conference.
2. National level workshop.
3. National level workshop.

Programme Attended

1. Attended a National level seminar on "Seminar on Parking Management in Metropolitan Cities – Case Study of Chennai" organized by UGC,HUDCO,IUT, India from 30-Mar-2002.
2. Participated in a National level workshop on "Remote Sensing and GIS Applications in Urban and Regional Planning " organized by Institute of Remote Sensing,Anna University , India from 17-Feb-2003 to 27-Mar-2003.
3. Participated in a National level workshop on "RE – Engineering Teaching Communication Skills" organized by Anna University, Chennai, India from 09-Feb-2004 to 10-Feb-2004.
4. Attended a International level seminar on "Role of NGOs and Resident Welfare Associations in Ensuring Road Safety" organized by DUSD, Anna University, India from 16-Feb-2006 to 16-Feb-2006.
5. Participated in a National level workshop on "Effective Teaching, Centre for Empowerment of Women" organized by Anna University, India from 16-Mar-2006 to 16-Mar-2006.
6. Attended a National level seminar on "Seminar on Transportation Problems in Chennai" organized by Consumer Association of India and Anna Institute of Management, India from 22-Apr-2006 to 22-Apr-2006.
7. Participated in a National level conference on "Parking of Vehicles and Road Accidents – Road Safety Lecture Series IX" organized by Institution of Engineers, Chennai Chapter, India from 27-Jul-2009 to 27-Jul-2009.
8. Attended a National level seminar on "National Seminar on Urban Sustainability and Issues" organized by University of Madras,, India from 05-Feb-2010 to 06-Feb-2010.
9. Participated in a International level workshop on "INDO-US workshop on Emerging Trends in Intelligent Transportation Systems" organized by IITM, India from 11-Mar-2010 to 13-Mar-2010.

10. Attended a National level Short Course on "Planning, Design and Evaluation of Urban Transportation Systems UTS" organized by NIT Calicut, India from 31-May-2010 to 11-Jun-2010.
11. Attended a National level Short Course on "Faculty Development in Soil Mechanics" organized by Anna University, India from 21-Dec-2010 to 29-Dec-2010.
12. Participated in a National level workshop on "Faculty Development Programme for Care Communication and Counseling students" organized by Anna University, India from 21-Feb-2011 to 25-Feb-2011.
13. Participated in a National level workshop on "Construction of Bamboo Houses " organized by Building Technology Centre, Anna University, India from 19-Mar-2012 to 20-Mar-2012.
14. Participated in a National level workshop on "Continuing Education Workshop on "Using Science and Data in Road Safety Management" organized by Indian Institute of Technology, Madras, India from 15-Feb-2013 to 16-Feb-2013.
15. Participated in a National level workshop on "One Day Workshop on "Possible Solutions to the City Transport Systems including Pedestrians Segregation and Automated Parking Facilities" organized by Highways Research Station and Indian Roads Congress, India from 26-Apr-2013 to 26-Apr-2013.
16. Participated in a National level conference on "Warm Mix Asphalt- Challenges & Way Forward" organized by Indian Institute of Technology, Madras, India from 08-Aug-2013 to 09-Aug-2013.
17. Attended a National level seminar on "Seminar on UTWT-24 by Concrete Specialists " organized by ACC and Corporation of Chennai, India from 07-Oct-2013 to 07-Oct-2013.
18. Participated in a National level workshop on "Workshop on "R & D Project Proposals – Awareness, Needs and Benefits"" organized by CTDT, Anna University, India from 26-Feb-2014 to 26-Feb-2014.
19. Attended a National level Short Course on "One day Training Programme on "Change Management and Capacity Building to Improve Quality of Service" organized by Anna University, India from 23-Feb-2016 to 23-Feb-2016.
20. Participated in a National level workshop on "Quality Improvement Programme on "Student Evaluation and Question Paper Setting" organized by NITTTR and Anna University, India from 24-Oct-2016 to 26-Oct-2016.
21. Attended a National level Short Course on "Faculty Development Programme on Instructional Management and Institutional Development " organized by NITTTR, Chennai , India from 08-Jun-2017 to 19-Jun-2017.
22. Participated in a National level workshop on "Two –Week Faculty Development Training Program on Induction Program for Students, " organized by FDP Anna University, India from 18-Jun-2018 to 29-Jun-2018.
23. Participated in a National level workshop on "Design and Construction of Sustainable Concrete Pavements" organized by IITM, India from 09-Dec-2019 to 13-Dec-2019.

Invited Lectures

1. Delivered a Lecture on "Parking Pricing" in National Level Seminar on "Parking Management in Metropolitan Cities- A Case Study of Chennai" organized by Division of Urban Systems Development, Anna Univer, Anna University (20-Mar-2002).
2. Delivered a Lecture on "Parking Information Systems- An Intelligent Transp" in National Seminar on Solutions to Transportation Problems in Chennai City organized by Consumer Association of India, Alumni Association of Anna University (08-Jun-2006).
3. Delivered a Lecture on "Standards for Parking in Urban Areas" in Short term course on Latest Trends in town and Urban Planning organized by NITTR, Chennai , Chennai (12-Jun-2007).
4. Delivered a Lecture on "Parking Standards for Chennai" in A Review Session for Chennai Master Plan organized by Chennai Metropolitan Development Authority, Alumni Association of Anna University (12-Aug-2008).
5. Delivered a Lecture on "Parking and Road Accidents" organized by Institution of Engineers, Chennai Chapter, DnTE, Chennai (11-Aug-2009).
6. Delivered a Lecture on "Pavement Evaluation Techniques" in Parking Management™, Emerging Trends in Environment and Transportation Engineering• organized by Anna University Tutucorin Campus., Tutucorin (27-Sep-2013).
7. Delivered a Lecture on "Parking Management" in Parking Management™, Emerging Trends in Environment and Transportation Engineering• organized by Anna University Tutucorin Campus., Tutucorin (27-Sep-2013).
8. Delivered a Lecture on "Highway Maintenance" in Seminar in Highway Engineering organized by Vel Tech High Tech Dr. Rangarajan Dr.Sakunthala En, Chennai (25-Mar-2014).
9. Delivered a Lecture on "Planning, Design and Maintenance of Highways" in Highway Design organized by VEL TECH, Avadi, Chennai (29-Sep-2016).
10. Delivered a Lecture on "Safety in Road design- Road links" in Five Days Training Programme on "Road Safety Engineering Measures" organized by National Center for Road Safety (NCRS) Asian Insti, Anna University (14-May-2018).