

BRIEF BIODATA: Dr. VARGHESE GEORGE, NITK/ KREC, SURATHKAL

Name:	VARGHESE GEORGE	Employee ID: 1013
Date of Birth:	01-04-1961	Sex: Male/ Female
Nationality:	Indian	Father: Chev. K.G. George
		Mother: Agnes Gracy George



Career Objective:

- Looking forward to a bright & rewarding career, in terms of self-growth, job satisfaction, & organizational well-being

Personality Traits and Strengths:

- Strong Administrative and Leadership Capabilities
- A Good All-Rounder with Interests in Computers, Academics, Engineering & Fine Arts
- Capability to Assimilate New Technology and Skills and to Apply in Everyday Life
- Strong Logical Reasoning, and Analytical Skills for Innovation & Problem Solving
- *Dale-Carnegie* University Certified Teacher
- *NHAI-Certified* National Level Trainer for Highway Safety
- Trained by *ROMDAS* in *Pavement Evaluation*
- Trained by *IGG-Parsan* in *Zond 12e GPR* sounding
- Trained by *CITILABS* in *Cube Base, Voyager, and Analyst Ver 6.0*
- Trained by *Engg. Staff College - India, Hyderabad* on *Green Building*
- Trained by *IIM Indore* in *Academic Administration* through *MCEP 2016*
- Editorial Board Member of *Baltic Journal of Road and Bridge Engg.*
- Reviewer for: *Transptn. Res. Board Washington, Instn. of Civil Engrs.-UK, Francis & Taylor Journal Pubs., IRC New Delhi, MJET-Manipal*

Office Address:

Department of Civil Engineering
 National Institute of Technology Karnataka Surathkal
 A Deemed University (formerly, Karnataka Regional Engg. College (KREC), Surathkal)
 Srinivasnagar Post, Mangalore, Karnataka State, India – Pin 575025
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AP-21 Staff Quarters, NITK Campus, Srinivasnagar Post,
 Mangalore, Karnataka State, India – Pin 575025
 Tel (Resi.): 0091 - 824 – 2474352; Mob: +91-99869 20093

Email/Website:

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 Website: www.nitk.ac.in

Academic Qualifications

Degree	Year	Class	School/ College/ Institute	Board/ University
SSLC	1976	I Class=409/600	St. Mary's High School, Pattom, Trivandrum	Board of Public Exams
Pre Degree	1978	I Class=373/450 684/900	Mar Ivanios College, Trivandrum	University of Kerala
BSc. (Engg)	1984	I Class=3535/5000	College of Engineering, Trivandrum	University of Kerala
M. Tech	1986	CPI = 8/10	Indian Institute of Tech., Kanpur,	IIT, Kanpur
Ph. D	1999	26 th Feb 99 Defen.	Indian Institute of Tech., Bombay	IIT, Bombay

Awards / recognition

<i>Certificate of Reviewing by Editors of Elsevier Journal of Transportation Geotechnics - 2016</i>
<i>Nominated Best Civil Engineer in "Academician" Category by Smart Infrast. Engg. Serv., at Osmania Uty., 2016.</i>
<i>Certificate of Excellence for Outstanding Paper Presentn. with Citation & Gold Medallion, at ICITSEM, Dubai - 2015</i>
<i>Certificate of Appreciation on Completion of 25 years of service at NITK- 2010</i>
<i>Special Award Received for Contributions to Rural Roads Committee of Indian Roads Congress, New Delhi - 2004</i>
<i>Received Award for the Best Secretary for the Region from Lions Club International 324-D4 – 2000-01</i>

Details of Posts Held and Pay Scale

Permanent Posts Held	Pay scale on appointment	Duration
Lecturer in Civil Engrg.	700-40-1100-50-1600	15-07-1986 to 15-07-1992
Senior Lecturer	3000-100-3500-125-5000	15-07-1992 to 30-10-1998
Selection Grade Lecturer	12000-420-18300	30-10-1998 to 26-02-1999
Assistant Professor	12000-420-18300	26-02-1999 to 01-01-2006
Associate Professor	12000-420-18300 Rev. 37400-67000 + AGP 9000 (PB4)	01-01-2006 to 26-02-2007
Professor	16400-450-20900-500-22400 Pay Band IV: 37000-67000 + AGP 10000	26-02-2007 to 10-03-2015 With Fin. Benefit from 16-11-2008
Professor (Hr. Gr.- 4 tier)	Pay Band IV: 37400-67000 + AGP 10500	10-03-2015 onwards
Associate Dean (Research & Consul.)	Additional Administrative Duty	01-05-2010 to 06-09-2013 Ref. 9465/ Estt/ 2013/ B1 Dt 06-09-2013
Industrial Experience: Civil Engineer Trainee	Rambal & Co. Trivandrum (HO Madras)	01-01-1984 to 30-6-1984

Ph.D Thesis Title:	Decision Support System for Urban Bus Transport Management (using Semantic Data Modeling & ORACLE RDBMS) – Thesis Defended on 26 th Feb 1999
M.Tech Thesis Title:	An Interactive Computer. Aided Model System for Optimal Scheduling of Buses in a Transit Network
Areas of Interest	<ul style="list-style-type: none"> • Urban Transport Planning and Software Apps. (Cube Apps.) • Traffic Engineering, & Coordinated Signals using TRANSYT/ VISSIM • Oracle RDBMS, and DSS Apps. (Expert Sys.) for Bus Transp. Mangmt. • ITS, & GIS Apps. in Transport & Traffic Engg. • Road Safety Audit, Speed Control, Geometric Desn, & Vehicle Pol. Control • Pavement Evaluation & Monitoring (ROMDOS, PFWD, GPR, and ANN Apps.) • Porous Friction Courses, Warm Mix Asphalt • Genetic Algorithm & ANN Applns. in Slope Stability and Traffic Signal Design • Ground Improvement: Natural/ Synthetic Fibers, Laterite subgrades & Accel. Consol. • Town Planning, Surveying, and Architecture • Green Building & Building Construction
Foreign Countries Visited:	<p>Intl. Conferences : University of Antwerp, Belgium (July 1998) TU-Delft, Netherlands (July 1998) Kumamoto Uty. Japan. (Mar. 2012) Al-Rigga, Dubai, UAE. (Feb 2015)</p> <p>Research Interactions : TTI (TAMU) USA (Dec 2008); NUS Singapore (Mar. 2012)</p> <p>Other Visits : Malaysia, France, Germany, & Luxemburg</p>

SUMMARY OF PAPER PUBLICATIONS ON RESEARCH

International			National		
International Journals	11	Published	Refereed Indian Journals	23	Published (Incl 9 Res Bul.)
	0	Accepted		+1	Under Review
International Conferences	11	Papers Published	National Level Conferences	3	Papers Published
	1	Abstracts Published	Seminars/ Symposiums/ Workshops	9	Papers Published
Total	23	International Papers	Total	36	National Publications

Journals Published include: Taylor and Francis - 3; ASCE – 1; Elsevier – 2; Springer – 2; IRC – 7;

GOOGLE - SCHOLAR RATINGS

RESEARCH - GATE RATINGS

Citations 138 H - Index 7 I - 10 INDEX 6

RG Score 11.91 H – Index 6 RG Reach 321

Review Work Undertaken for Journals and Conferences

- Reviewer for Transportation Research Board, Washington – 2011-13 - Imp. Fac. 0.55
- Reviewer for Taylor and Francis: Jou. Civil Engg. and Management – 2010-12 - Imp. Fac. 3.711
- Reviewer for Taylor and Francis: Intl Jou. Pav. Engrg. – 2009-13 - Imp. Fac. 0.7
- Reviewer for Instn. of Civil Engrs. (UK): Jou. Ground Improvement - 2015 onwards - Imp. Fac. 0.93
- Reviewer for Journal of Transportation Geotechniques-Elsevier – 2016 onwards – Awarded Certificate
- Reviewer for Indian Roads Congress Journal & Pubs. – 2003 onwards - Imp. Fac. 0.23
- Reviewer for Manipal Journal of Engineering and Technology – 2015 Onwards
- Reviewer for TPMDC-2008 International Conference – 2008

Editorial Work Undertaken for Journals and Conferences

- Contributed in Developing *Rural Roads Manual* (IRC SP:20-2002), IRC, New Delhi – Awarded Certificate
- Contributed in Developing *Standards for Road Bridges* (Sec IV-IRC 40-2000), IRC

Sponsored Research Projects Undertaken

Sl. No.	Project Title and Chief Project Investigator (PI)	Funding Authority/ Agency	Name of Scheme	Sanction Letter No. & Date	Sanctioned Duration	Sanctioned Period	Total Amount Sanctioned	Status
1.	<i>Experimtl. Studies on Non-Destruc. Tests for Pav. Evaln. of Low Cost Roads and Modified Geosyn. Reinf. Soil Subgrades for Rural & Semi-Urban Areas of Dakshina Kannada Dist.</i>	MHRD	TAT Research Project	F.27- 16/ 2003 TS.V dated: 13-1-2004, from, GOI, MHRD, Dept. of Secon. & High.Edn., New Delhi	2 years	2003-2005	Rs.18,00,000 (USD 45000)	Extended to 2006 Completed
		PI: Dr. Varghese George						
2.	<i>Origin and Destination Studies for Hubli-Dharwad Twin City Urban Environment</i>	MHRD	TEQIP	SDMC/TEQIP/1 273/2009-10 Dt: 14-Jul-2009	3 years	2009-12	Rs 5,00,000 (USD 11,000)	Completed
		PI: Dr. MN Sudheendra SDM Col. of Engrg. & Tech., Dhavalagiri, Dharwad-580002 Co PIs: Dr. Varghese George, & Dr. Raviraj Mulangi, NITK						

Membership in Professional Bodies

	Professional Bodies	Membership No.	Period
1	Life Member of the Indian Society for Technical Education	LM 5423	08-01-1990 onwards
2	Member of the Indian Roads Congress	LM 15431	17-09-1993 onwards
3	Fellow of the Institution of Engineers	F-112345-5	31-07-2007 onwards
4	Life Member of the Institute of Urban Transport	AIE A/ 501139/ 7	12-10-1992 onwards
5	Life Member of the Coorg and South Kanara Engr's Assn.	IUT-182	03-04-1998 onwards
6	ASCE - Member of ASCE, USA	LM 216	20-09-1999 onwards
		ID# 10168893	16-03-2015 onwards

Honorary Posts in National Level Technical Committees/ Professional Bodies

Role	Name of Professional Body/ Technical Committee	Period
Member	Rural Roads Committee of Indian Roads Congress, New Delhi	2000-2003
Member	Masonry Bridges Committee of Indian Roads Congress, New Delhi	2000-2003
Member	Environment Committee (H-7) of Indian Roads Congress, New Delhi	2003-2006
Corresponding Member	General Design Features (B2) Committee of IRC. New Delhi	2003-2006
Board Mem.	Nat. Transp. Plng. and Res. Cen.(NATPAC), (under KSCSTE, Gov. of Kerala), Pattom P.O., Trivandrum - 695004. (No 550/ GA1/ 2012/ Dt 20th Nov. 2013	16-17 Dec 2013

Proficiency in Languages

Read, write and speak	Read and Write only	Speak only
English, Hindi, Malayalam & Kannada	German & Syriac	Tamil

Consultancy Work Undertaken/ Industry Interaction/ Community Development Projects

Sl. No.	Title of Consultancy Work Undertaken and Plan Outlay		
1	Basic Planning and Layout for 7th Block Hostel and Mess Block-NITK Surathkal	(Rs. 2 Cr Outl.)	2000-2001
2	Design of Pavement Drainage Systems and Cable Ducting for M'lore Municip. Corp.	(Rs. 5 Cr Outlay)	2001-2003
3	Digital Land-surveying using total station for Kateel Temple Administration	(Rs. 3 Lakhs Outl.)	2003-2004
4	Erection of Tall Chimney Towers for Mangalore Chemicals and Fertilizers	(Rs. 20, 000 Outl.)	2003-2004
5	Planning of Toy Train Tracks for Kadri Park, & Pilikula Nisarga Dhama (Zoo & water Park)	(Rs. 0.5 Cr Outl.)	2004-2007
6	Digital Land-Survey & Plan for SEZ, M'lore SEZ – Phase I&II - 1700 acres	(Rs 36L Outl.) Rs 2.43L	2004-2007

7	Digital Land-Survey & Plan for SEZ, M'lore SEZ – Phase III - 1300 acres (Rs 40L Outl.) Rs 2.21L	2006-2008
8	Residential Township Layout for MRPL for Rehab. of 300 Displaced Famil – 57 acres (Rs 10L Outl) Rs 0.75L	2006-2008
9	Member of Advisory Committee for CTPP, under Deputy Commissioner, Dakshina Kannada District	2006-2013
10	Proposals to D.C. for Mangalore Area Comprehensive Transport and Urban Planning (MACTUP)	2008-2010
11	Design and Layout of 2 lane Underpass with Footpath for NITK (Rs. 5 Crore Outlay)	2010-2011
12	Member of Technical Advisory Board of Agricultural Produce and Marketing Corporation (APMC), M'lore	2010-2014
13	Member of Technical Advisory Board of Pilikula Nisarga Dhama (Zoo & Water Park), Mangalore	2010-2014
14	Regular Testing and Consultancy Services for: Rs 0.10L/year approx 1) Road Aggregates 2) Bitumen and Bituminous Products 3) Building Construction Materials 4) Repair and Maintenance of Equipment	1986 onwards

Important Administrative Duties Performed for NITK and NITK Community / Institute Level

(Curriculum Development, Assistance in administration, Extra & Co-Curricular Activities, etc.)

Sl. No.	Administrative Duties	Duration
1	Associate Dean (Res. & Consul.) SIRO; SIP; NITKRes.Bul.; STTP; Tec.Dig. Summer Internship Programs (SIPs) at NITK (2010-13 Sep.) Summer Teacher-Training Program (STTP) at NITK (2010-13 Sep.) Compiled SIRO (Scien. and Indus. Res. Orgs.) Doc. (2010; 2012) Compiled Technical Digest on Research in NITK (2012) Mem., India Innov. Labs, for Real-Time Low-latency Img.Prosc. (2010-14) Assisted in Framing of MOUs between NITK & other Inst. (2010-13Sep)	01-05-2010 to 06-09-2013 (3y 4m)
2	Editor- NITK Research Bulletin (Biannual Publication) + Cover Designing	2010 to 2013 Sep
3	Member of Research Advisory Board, NITK	2010 onwards
4	IGNOU – Distance Education Counselor (Indira Gandhi Nat. Open Univ.) Building Architecture (ET521B) Building Construction and Planning Traffic&Transpn. Engg. (ET505) Construction Management	2002 - 2008
5	Estate Office & Works - Faculty In Charge	2008 (Jun-Jul)
6	NBA Departmental Com. for UG/PG – Vision/ Mission; Program Outcomes	2007-08; 2013-14
7	PMGSY Resource-Person for Training Practicing Engrs. (Org. 12 Courses)	2003-05
8	NITK Employees Group Provident Fund – Mem. Board of Trustees	1990-93 & 2003-06; 11-16; 16-19
9-10	TEQIP Phase I Mem. of Com. for Monit. & Evaln. of MHRD Funded Proj. Phase II TEQIP Departmental Representv. for MHRD Funded Proj.	2004-08 2010-15
11	Departmental Academic Appeal Board – Nominated Member	2010 onwards
12	Organized FANTASTICITY – Engineer - Inter Coll. Comp. on Town Plan.	2007-13
13	Convocation Steering Committees/ Pub. Com. / Invitations – Member	2006; 2007; 2008; 2009, 2010; 2011; 2012; 2013; 2014
14	Editor of Convocation Bulletin, & Designed Cover Graphics & Layout	2006; 2007; 2008; 2010;
15	Editor/ Fac. Advisor - NEWS WAGON - students' Club Magazine	2007-08
16	Editor – Vitruvian - NITK Students Annual Magazine	2004; 2006; 2009
17	Incident Organizing Committee – Mem. of Finance/ Kalakriti Committee	1998-2010
18-20	NITK Consum. Coop Soc. - Secretary - Mem. Board of Directors (Elected) - Commit. for Perf. Eval. & Recruitmt. OM 10-08-2012 (Ref: NITK/DFW/OM-Con.Coop/2012/2848)	2004-2005 & 2005-07 2004-2005 & 2005-10 2012-13
21	Formulation of Regulations for NITK Deemed University	2002-03
22	Dep. Representative for Working Group on Academics for Implementation of the Recos. of the worksh. on Grading in Credit System at NITK (12-11-05)	2005
23	Campus Ambience Improvement Committee - Member	2004
24	Tabulation of Marks for University Examinations	2004
25	Library Advisory Committee - Member	2003
26	Ring Presentation Committee - Master of Ceremony	2003; 2007
27	PARAM Super Computing- Mem., Core Committee, KREC/ NITK	1999-2004
28	Anti-Ragging Squad – Member NITK	2007-15
29	MIS Group of KREC/ NITK	1999-2009
30	Stock Verification of various Divisions/ Departments	1986-1992; 1998-2004; 2008
31	Annual Elections of Student Representatives – Mem. of Com.	1986 onwards
32	NITK EngiConnect-2015 Judge for Science Exhibitions & School Level Competitions at NITK	2015

Details of Department Level Administrative and Leadership Capabilities Demonstrated

(Curriculum and Lab. Development, Assistance in administration, Extra & Co-Curricular Activities, etc.)

Sl. No.	Type of Responsibility	Period
1	Time table-in-charge	1990-94
2	Faculty In-charge for Educational Tour to Goa, Bombay/ Pune for V Sem BE	1990-91
3	Convener for Class Committee for Teacher Evaluation	1992-93
4	Counseling services to U.G. students of Civil Engineering Dept.	1999 onwards
5	Restructuring U.G. syllabi: Rural and Urban Plng. and Architecture Building Constrn., Archit. & Town Plng. Transportation (Highways, Railways & Airports) Surveying Building Design and Drawing Architecture, Construction & Town-planning	1992; 2000; 2003; 2005; 2009; 2012
6-7	New M.Tech Course on Transportation Syst. Engg. - Initiation & Commencement Co ordinator: Workshops on M.Tech Curriculum Revision	1994 & 2003 2004-05
8-13	Lab. Modernizn. Schemes - Departmental Computer Center – Lab Establishment - Departmental Computer Center – Mem. Advis. Comm. - Survey Lab – Lab Modernization - Transp. Engg. Lab. for MTech – Lab. Establishment - Transp. Engg. Lab. for MTech – Software Procurement - AutoCad Lab for B.Tech - Lab Establishment <small>Lab inaugurated on 14th Sep 2015 at 9.45am by Prof. Swapan Bhattacharya (Director, NITK), Chief Guest, Mr. S. Ramkishore, (Head-Human res.) L&T Chennai</small>	1999 onwards 1999-2003 1999 onwards 2003-04 2004-06; 2013-14 2014 onwards
14	DPGC/ DUGC/ DRPC Member	2004-16
15	Faculty Advisor - M.Tech Transportation Engineering	2004-08; 2012-15
16-17	Web Page Design - Deptl. Web-page Design & Development – Dept. Rep. - Dev. of NITK Web-Presentation Formats – Dept. Rep.	2002-07 2003
18	ISO 9001 Implementation – Dept. Rep.	2003
19	INDEST Digital Library Users Group – Dept. Rep	2003 onwards
20	PMGSY Resource-Person for Training Courses for Practicing Engineers	2003-05
21	Civil Engineering Association - Faculty In-Charge and Treasurer	2004-05
22	Coordinator: DST-PAC for Civil and Envi. Engrg. Projects	2013-14
23-24	TEQIP Phase I - Mem. of Com. for Monit. & Evaln. of MHRD Funded Proj. Phase II - TEQIP Departmental Representative for MHRD Funded Proj.	2004-2008 2010-2015
25	Testing and Consultancy Activities	1986 Onwards
26	Continuing Education Progs. for CCE, Seminars, & Workshops	1986 Onwards
27	Preparation of Reports for MHRD, AICTE, Karnataka Gov.,NBA, etc.	1986 Onwards
28	Question paper setting and evaluation (Mang., Goa, Bang., Karunya, Calicut Utys)	1986 Onwards

Subjects Taught

Subjects Currently Taught	Other Subjects Taught
Transportation Engineering-I&II (Highways, Railways, Airports, Tunnels, and Harbours)	Surveying II (Levelling, Tacheometry, Trigonometric levelling, etc)
Building Construction, Town Planning & Architecture	Environmental Engg. -II (water supply)
Building Design and Drawing (Foundations, Building Components, Residential & Public Buildings)	Rural & Urban Planning & Architecture
Urban Transport Planning (M.Tech)	Building Materials and Construction
Traffic Flow Theory (M.Tech)	Other Mandatory Learning Courses, drawing & lab. courses (Transp. Engg., Struc. Engg, Mat. Testing, Environ. Engg.)
Evaluation by Students ->	Excellent in Communication, Preparation, and Language

Lab/ Software Manuals Prepared to Facilitate Learning

Sl. No.	Title of Lab/ Software Manual	Period
1	<i>A Computational Laboratory Manual on Linux for Beginners</i>	2005-06
2	<i>A Simple Guide to TRANSYT (Software) for Traffic Signal Design</i>	
3	<i>A Laboratory Manual on Use of Zond 12 e Ground Probing Radar</i> Zond 12 e Ground Probing Radar was purchased for MHRD-TAT Project for Rs. 10.7 Lakhs	2005-06
4	<i>A Simple Guide to Civil Engg.Materials Laboratory –I</i>	2008-09
5	<i>A Simple Guide to AutoCAD</i>	2007-10
6	<i>A Beginner's Guide to Cube 3.2 (2005-06)and update to Cube 6.0 (2013-14)</i>	2005-14
7	<i>A Beginner's Guide to VISSIM 6.00</i>	2014-15

Soft-skills/ Knowledge in Use of Computers

Operating System/ Software	Main Feature of OS/ Software	Period and Nature of Exposure
Personal ORACLE (SQL FORMS, SQL PLUS)	Relational Data Base Management System (RDBMS)	(3 ½ years) Used as part of Ph.D work
VPEXPERT	An Expert System Shell Program	(8 Months) Used as part of PhD work
Cube Voyager	Urban Transport Planning	CITILAB TRAINED – Applied in M.Tech Projs.
VISSIM	Urban Transport Planning	Applied in M.Tech Projs.
Mx-Roads	Road Alignment, and Construction	BENTLEY TRAINED
TRANSYT-12	Traffic Signal Optimization	Used in M.Tech Thesis Work
PRISM for ZOND 12e GPR	Image Proc. for Ground Probe Radar	PARSAN TRAINED – Applied in MHRD project work
NN Model	Artificial Neural Network App.	(6 Months) Used in a UG/ PG Projects
SPSS	Window-based Statist. Analysis App.	Used in Ph.D and MTech Thesis work
AUTOCAD	Drawing	Used in B.Tech, & Consultancy work
PLAXIS – 2D	FEM based Analysis for Soil Foundations	MTech. Thesis work guidance
HTML/ Namo/ FrontPage	Web-page designing	Frequently used
GIMP/ Photoshop/ Picasa	Photo/ Image processing	Art Design for Souvenirs
Win. Vid. Maker/ Avidemux	Video Editing and Processing	Art Design for Souvenirs
STAADPRO	Structural Analysis- and Des.	(2 Weeks) as part of a refresher course
Win 3x,95/98/Me/XT	Operating Systems	Acquainted with since 1995
LINUX Pine, ftp, Lynx, Pico	Multi tasking multi user OS, email client, ftp protocol, browser & Text Processing	2 weeks crash Course & freq. use since 1993
MSOffice Ver 2/ 95/ 03/ 07	Wind. Word Processing	Acquainted since 1995
DOS / Wordstar	Single – user OS & Word Processing	Acquainted since 1986
Lotus123 and Lotus Suite	DOS /Window Spread sheet program	(3 Months) Used as part of Ph.D work
Basic PC Maintenance		1 week in-house training (1992)

Guidance of Ph.D Dissertations (3 Completed + 3 Ongoing)

Sl. No.	Thesis Title	Name of Research Scholar & Roll No Date of Submission & Defense	Duration
1.	Studies on Strength and Stiffness Characteristics of Laterite Soils for Pavement Subgrades	Nageshwar Rao – 05075CV05F02 Submitted on 16 th July 2008 Defended on 03-11-2009	2005-08
2.	Experimental Investigations on the Properties and Development of Design Guidelines for Porous Friction Course Mixes	SN Suresha - 040704CV04P03 Submitted on 27 th Oct 2008 Defended on 18 th Jan 2010	2004-09
3.	Investigations on Accelerated Consolidation of Coir Reinforced Laterite, Lithomargic Clay, and Blended Soils with Vertical Sand Drains for Pavement Foundations	Rama Krishna Hegde - 040866CV04P06 Submitted on 30 th Oct 2012 Defended on 7 th Jun 2013	2004-12
4.	Study of Strength Characteristics of Embankments of Lateritic, Lithomargic, and Blended Soils	Anil Kumar K (On-going) 110647CV11P01	2011 Jul
5.	Study of Applications of ANN and GA in Urban Transport Modelling	Marsh M. Bandi (On-going) CV13F06	2013 Dec
6.	Study on Modal Split with Applns. of Fuzzy in Urban Transport	Akash Anand (On-going) CV14F12	2014 Dec
7.	Study on Urban Bus Transport Performance & Evaluation	Anila Cyril (On-going) CV15F02	

Guidance of M.Tech Dissertations & Design Projects (54 Completed 4 Ongoing)

Sl. No.	Thesis Title	Name of Research Scholar & Roll No.	Duration
1	Prediction of Flexible Pav. Perf. by Artificial Neural Network	T.K. Gangadhara (9994521)	2000-01
2	Study on Bearing Capacity of Shedi Soil Using Geogrids and Geo-composites	K. Babu Mahesh (0086622)	2001-02
3	Studies on accelerated consolidation and CBR Tests on Randomly Distributed Fiber Reinf. Soil Using Natural Geotextiles	N. Madhu (0221630)	2003-04
4	Preliminary Studies on Genetic Algorithm and Apps. in Soil Eng.- Design Project	P.C. Naveen	2002-03
5	A Genetic Algorithm Approach to Bishop's Method of Slope Stability Analysis	B.R. Sreeharsha (0322628)	2004-05
6	Trip Generation and Distribution Studies for the City of Bangalore Using SPSS and the Gravity Model Approach in Cube Voyager	Ilango T. (04TS03)	2005-06
7	Trip-End Modal Split Analysis using Binary Choice Logit Model for Home-based Trips for the City of Bangalore	Afzal Hingora (04TS02)	2005-06
8	Studies on Nondestructive testing of Urban and Rural Roads using Ground Probing Radar, and Falling Weight Deflectometer	Vivek J. Vazhathara (04TS05)	2005-06
9	Production Constrained Gravity Modeling for Trip Distribution for the Shortest Paths for	U. Rama Subrahmaniam	2006-07

	Three Major Regions of Bangalore Using SPSS and CUBE and Scripting for Modal Split	(05TS03F)	
10	Studies on Traffic Signal Design, and Implementation of Coordinated Signaling System for Three Major Junctions of Mangalore City Using <i>Transyt-12</i>	Hemanth K.R. (05TS01F)	2006-07
11	Studies on Portable Falling Weight Deflectometer and Dynamic Cone Penetrometer for Sub-grade Evaluatn.	Vishveswara A.S. (05GT07F)	2006-07
12	Doubly Constrained Gravity Modeling with Modified Tanner's Function, and Exponential Models for Trip Distribution for Three Regions of Bangalore Using SPSS and CUBE	Amit Srikanth Mahendrakar (06TS03F)	2007-08
13	Studies on Strength and Stiffness Characteristics of Laterite Soil Mixed with Silty Fines	Arunkumar A. (06TS01F)	2007-08
14	Studies on Webster's Approach to Design of Two and Three Phase Isolated Traffic Signals for Mangalore City using Genetic Algorithm and C-Programming	P.B. Gnanamurthy (06TS09)	2007-08
15	Studies on Accel. Settlement of Laterite Soil Embankments using Vertical Drains and Coir Reinforcement	Dwarika Gotamey (07TS16F)	2008-09
16	Logit Based Modal Split Studies for Three Major Regions of Bangalore City Using <i>Cube</i> Software	Praveen Reddy Y. (07TS11F)	2008-09
17	Dev. of Trend Prediction and Impact Analysis Modules for STU Databases using RDBMS and Exp.t Sys.	Reshma E.K. (07TS12F)	2008-09
18	Green Buildings and Leed Certification – Design Project	Mithun B. (08CM08F)	2008-09
19	A Model Study on Accel. Consol. of Coir Reinf. Laterite and Blended Shedi Soil with Vertical Sand Drains for Pav. Foundns.	Santhosh G (08TS11F)	2009-10
20	Studies on Accelerated Consolidation of Coir Reinforced Laterite and Shedi Soil with Vertical Sand Drains for Pav. Foundns.	Durga Prasanth L. (08TS03F)	2009-10
21	All-or-Nothing Based Trip Assignment for Home Based Trips Using <i>CUBE</i> Software Interfacing <i>AutodeskMap</i> Files for Bangalore City	Ragi C Ravindran (08TS09F)	2009-10
22	Design of Highway Alignments and Their Comparisons Using <i>MxRoad</i> for Digital Survey Data Compiled in <i>AutoCAD</i>	Arya R. Nair (08TS02F)	2009-10
23	A Model Study on Accel. Consol. of Coir Reinf. Lateritic Lithomarge Soil Blends with Vertical Sand Drains for Pav. Founns.	Nirmal Kumar AG (09TS18F)	2010-11
24	A Model Study on Accel. Consol. of Coir Reinf. Lithomargic Laterite Soil Blends with Vertical Sand Drains for Pav. Foundns.	M Vishnuvardhana (09TS11F)	2010-11
25	Optimizing Bus Transport Services to Integrate Rail Passenger Transfers - A Case Study of Trivandrum City	Kizhakkooden Ajith Mohanan (10TS11F)	2011-12
26	Route Choice Behaviour and Value of Travel Time Reliability: A Case Study of Commuters in Urban Arterial Roads of Delhi	Athira S.S. (10TS01F)	2011-12
27	Micro-Simulation based Driving Cycle Analysis and Emission studies for a Sustainable Transport System	Devi S. (10TS04F)	2011-12
28	An ANN-SPSS Based Approach to Development of Refined Free Speed Models and Updating of Vehicle Operating Costs	Divya Mohandas K (10TS06F)	2011-12
29	Investigns. on Warm Mix Asphalt Prepared Using a Low Cost Chemical in Place of <i>Asphamin</i> , and Comparisons with Hot Mix Asphalt	Faris Aswad Kokaz (10TS08F)	2011-12
30	Evaluation of Improvements in Road Geometrics, and Transport Infrastructure along an Urban Road Corridor, using <i>VISSIM</i> : A Case Study of Lucknow <u>City</u> -	Liben Varghese Babu (10TS13F)	2011-12
31	Evaluation of Roadway Capacity for 4-lane and 6-lane Highways Using Microscopic Traffic Simulation in <i>VISSIM</i>	Rahul Sudarsan (10TS22F)	2011-12
32	Multinomial Logit and Nested Logit Models for Integrated Studies on Vehicle Ownership, and Mode Choice for Amritsar using Biogeme and Nlogit Based on <i>RP</i> Data	Rohini V. Kanthi (10TS23F)	2011-12
33	Air Pollution Modeling Using ADMS-Urban and SPSS	Sanoop Chandran. C (10TS24F)	2011-12
34	Multinomial Logit Modal Split Model Using <i>Cube</i> , All or Nothing Assignment, and Impact of Congestion Pricing for Trivandrum City	Aparna G. Krishna (11TS02F)	2012-13
35	Implementation of Road Investment Decision Software for Economic Evaluation of Multilane Highways in India using <i>VISUAL BASIC</i>	Bijesh R. (11TS03F)	2012-13
36	Laboratory Analysis of SMA and Dense Bituminous (BC) Mixes Using Asphalt Mixture Performance Tester (AMPT)	Deepak John Peter (11TS07F)	2012-13
37	A Micro-Simulation Based Performance Evaluation of Traffic Corridor from IIT Junction to NH-8 Entrance New Delhi, Using <i>VISSIM</i> and <i>VISUM</i>	Harishkumar N. Jadhav (11TS09F)	2012-13
38	Methodology For Assessing Social, Economical and Environmental Effects of Public Transportation Systems	Pramod P. Bhaskar (11TS18F)	2012-13
39	Estimation of Idling Fuel Consumption at Signalized Intersections in Ahmedabad, using <i>VISSIM</i>	Pranoy S. Raj (11TS19F)	2012-13
40	Modal Split Studies for Trivandrum City Using Sequential Binary Logit Approach in <i>Cube</i> for Public Modes and Various Types of Private Modes	Praveen Kumar P. (11TS20F)	2012-13
41	Multinomial Logit Modeling for Modal Split of Trivandrum City Using <i>Cube</i> , and Studies	Priya V.M.	2012-13

	on the Introduction of PRT for Various Fare Systems	(11TS21F)	
42	Studies on Properties of Lateritic and Lithomargic Soils, and Test on Horizontal and Vertical Seismic Vibrations on an Embankment Model Using a Modified Shake Table	Rakesh Verma (11TS22F)	2012-13
43	Location and Layout of Bus and Truck Terminals for Enhanced Connectivity and Improved Intermodal Transport at Kalamassery, Cochin	Sruthi S. (11TS25F)	2012-13
44	Investigations on Warm Mix Asphalt Prepared Using ZycoThem, and Comparisons with Hot Mix Asphalt -	Sharon Jacob (12TS20F)	2013-14
45	Investigations on Gen. Properties of Pure Lateritic and Pure Lithomargic Soils, Resilient Modulus, and Ana. of Stresses and Deformations on Embankments Using Plaxis-2D	Naveen B (12TS12F)	2013-14
46	Studies On Gen. Properties of Lateritic and Lithomargic Soil Blends, Resilient Modulus, and Analysis of Stresses and Deformations on Embankments Using Plaxis-2D	Shriram P. Marathe (12TS22F)	2013-14
47	A Micro-simulation Based Study of Coordinated Signaling System, and Long-term Improvements, and Study of Speed-flow Relationship for Mangalore City Using VISSIM	Akash Anand (12TS01F)	2013-14
48	Studies on Micro-Simulation Based Analysis of Coordinated Signaling System, Short-Term Improvements, and Speed-Flow Relationship for Mangalore City Using VISSIM	Chandni J. Basu (12TS07F)	2013-14
49	Studies on Trip Distribution Using Graphic Capabilities of Cube 6.0 for Trivandrum City with Modified Cubic and a Modified Tanner's Model, with Iterative K-Factor Adjustment	Shilpa S.S. (12TS21F)	2013-14
50	Investigations on Trip Distribution Using Graphic Capabilities of Cube 6.0 for Trivandrum City with Modified Cubic and an Alternative Tanner's Model, with Iterative K-Factor Adjustment	Manasa Kalani N.H. (12TS11F)	2013-14
51	Studies on Trip Distribution Using Graphic Capabilities of <i>Cube 6.0</i> for Trivandrum City with Refitted Cubic, Gamma Model, and Tanner's Model-B, Incorporating Artificial Travel Times Iteratively, along with K-Factor Adjustment	Athira Renchen (13TS04F)	2014-15
52	Investigations on Trip Distribution Using Graphic Capabilities of <i>Cube 6.0</i> for Trivandrum City with Refitted Cubic, Gamma-1, and Tanner's Model-A, Incorporating Artificial Travel Times Iteratively, along with K-Factor Adjustment	Vinodini G. (13TS25F)	2014-15
53	<i>VISSIM</i> Based Micro-simulation Study of Coordinated Signaling System, Short-term and Long-term Improvements for Bendoorwel Junction and Study of Speed-flow Relationship for Mangalore City	Aida Isac P. (13TS01F)	2014-15
54	A Micro-simulation Based Study of Coordinated Signaling System, Short-term and Long-term Improvements for Bunt's Hostel Circle, and Study of Speed-flow Relationship for Mangalore City Using <i>VISSIM</i>	Dilip Kumar P. (13TS15F)	2014-15
55	Investigations on Trip Distribution Using Revised Friction Factors for Various Models, Modified Hierarchical Logit Modal Split, and Equilibrium Trip Assignment with Looping in <i>Cube 6.0</i> for Trivandrum City	Ranjusha P.G. (14TS15F)	
56	Studies on Trip Distribution Using Revised Friction Factors for Various Models, Nested Logit Modal Split, and Equilibrium Trip Assignment with Looping in <i>Cube 6.0</i> for Trivandrum City	Purumala Snehith (14TS14F)	
57	A Simulation Study of Setting Priority Rules, Signals and Coordination, Vehicular Manoeuvring on Gradients, Flow Analysis for Homogeneous and Heterogeneous Traffic, and the use of a Flyover Connecting PVS and Jyothi using <i>VISSIM</i>	Ishan S. Tamhane (14TS22F)	
58	<i>VISSIM</i> Based Simulation on Signals, and Coordination, Setting of Priority Rules, Vehicular Manoeuvring on Gradient Sections, Flow Analysis for Homogeneous and Heterogeneous Traffic, and the use of a Flyover Connecting Kankanady and St. Theresa	Sreeja Reddy (14TS13F)	

Guidance of B.Tech Dissertations (8 Completed + 2 Ongoing)

Sl. No.	Thesis Title	Names of Students	Duration
1	Software Development for Trip Distribution Models in Urban Transport Sys. Planning	Abhijit Shome, Jacob Balaratnam, Paban Terang, Saran Pradhan	1989-90
2	Neural Network Application in Pavement Performance Evaluation	Krishna Acharya (9891307), Pradeep S. Rao (9891392), Tandon Neha Dilip Kumar (9891406)	2001-02
3	Application of Relational Database Management Systems in Traffic Eng.	Guruprasad Karnik (0193392), Manu Venugopal (0193401), S. Madhavan (0193476), & Siddhartha Chowdhary (0193359)	2004-05
4	Application of Dijkstra's Algorithm for Shortest Path for Bangalore City Network and Development of a Cost Effective AUTOCAD-Based GIS Tool Interfacing AutoLisp and C++	Swaroop H (0221342), and Arun Shankar (0221151)	2005-06
5	Low Cost Housing Constn. and Nirmithi Kendra-Btech Mini Proj.	Eshita Jha (04CV12)	2007-08
6	GIS and GPS Applications in Transportation Engineering, Surveying, and Urban Planning- Btech Mini Proj.	Febin Babu Mathew (04CV13)	2007-08
7	Planning and Constn. Details of Loni Flyover- Btech Mini Proj.	Julian J. Gonsalves (04CV14)	2007-08
8	Study on Susp. Bridges and Des. of Two-Hinged Susp. Bridges	Akash Veershetty (07CV07)	2010-11
9	Studies on Sustainable Low Cost Construction Techniques for Kerala and Karnataka and LEED-Rated Buildings	Antony Justin (10CV07); Pratish Modi (10CV1) Mohammed Ali Fasil (10CV38)	2013-14

Guidance of B.Tech Students in Paper/ Model Competitions and Awards Won

Sl. No.	Thesis Title	Names of Students	Duration
1	Geographic Information System in Transportation Engineering (Awarded First Prize for the Best Paper at the TECHNOKREC Intercollegiate Paper Contest organized by KREC, Surathkal)	Smitha Pai, & Nisha Mohanan	2002-03
2	Modeling Flyovers and Road Intersections	Ann. B.Tech Model Compt.	2003-04
3	Model Building using Low Cost Materials (Awarded First Prize at IIT Chennai Intercollegiate Competition)	Pavana Prabhakar & Savishes	2005-06
4	Average Trip Distribution in Urban Transport (Awarded Second Prize at IIT Chennai intercollegiate Competition)	Veena Swaminathan, and Saurav	2010-11

Important Invited Guest Lectures Delivered

Sl. No.	Title of Lecture	Organizers & Venue	Period/ Date
1.	Structural Design of Highways– Ref. Co. on Survey, Tranp. Env. Eng. for D.K. Zilla Parishad Engrs.	CCE-CED, KREC, Surathkal	23-09-90 to 27-09-90
2.	Ready-mixed Concrete - Ref. Course on Concrete Mix Design and Recent Trends for D.K. Zilla Parishad Engrs.	CCE-CED, KREC, Surathkal	22-04-91 to 24-04-91
3.	Traffic Safety and Transport Planning: General Aspects	DC's Office, Mangalore by Traffic Police Dept. & Rotary Club	1998
4.	Architecture, Building Construction, and use of Ferro Cement for Low Cost Building Constrn.	Refr. Course on Low Cost Housing, CCE-CED, KREC, Surathkal	04-09-2k to 08-09-2k
5.	Fuel Economy, Vehicle Pollution Control, and Traffic Safety	KPT, Mangalore by Traffic Police Dept. & Bus Owners Assn.	22-11-2001
6.	Radio Talk (All India Radio, Mangalore) on Vehicle Maintenance, Fuel Savings, and Pollution Control	AIR, Mangalore	09-01-2002
7.	Effective Teaching and Motivation	KRECTA, KREC, Surathkal	February 2002
8.	Traffic Management and Vehicle Pollution Control	Govt. Pre Uty. Col., Madikeri by Traffic Police Dep. & Sup. of Police.	16-06-2002
9-17	Pavement Failure and Maintenance (9 Lectures) 02-10-03 to 07-10-03 05-10-04 to 11-10-04 12-07-04 to 17-07-04 06-12-04 to 11-12-04 02-08-04 to 07-08-04 10-01-05 to 15-01-05 16-08-04 to 21-08-04 17-01-05 to 17-01-05 20-09-04 to 25-09-04	As part of the PMGSY program for practicing engineers on <i>Design, Construction, and Maintenance of Rural Roads</i> , conducted by NRRDA, and CCE-CED, NITK Surathkal.	See Dates Given in Col. 2.
18-29	Geometric Design for Rural and Urban Roads & Traffic Survey (12 Lectures)	“ “ “	Dates as in Sl. No. 9-17 plus 17-04-06 to 22-04-06 24-07-06 to 29-07-06 31-07-06 to 05-08-06
30-39	Traffic Management & Road Drainage (10 Lectures)	“ “ “	Dates as in Sl. No. 9-17 plus 17-04-06 to 22-04-06
40-43	Design of Road Links for Safety Design of Road Junctions for Safety Accident Investigation and Prevention Counter Measures for Hazardous Locations (4 Lectures)	3 Day User's Workshop under the Road Safety Training Project-UW8 as part of NHAI sponsored by ICT held at Errum Manzil, Hyderabad	21-11-05 to 23-11-05
44-47	Design of Road Links for Safety Design of Road Junctions for Safety Accident Investigation and Prevention Counter Measures for Hazardous Locations (4 Lectures)	3 Day User's Workshop under the Road Safety Training Project-UW9 as part of NHAI sponsored by ICT held at Errum Manzil, Hyderabad	24-11-05 to 26-11-05
48-49	Geometric Design and Safety – I Geometric Design and Safety – II (2 Lectures)	1 week CCE Prog. for PWD Engineers, Spon. KERS, Mysore	08-01-07 to 12-01-07
50.	GIS and GPS Applications in Transportation Engineering, Surveying, and Urban Planning	"Principles of GIS" 5-day CCE Prog. at App Mech. Dept., NITK for PWD Engrs. Spon. KERS, Mysore	19-11-07 to 23-11-07 (21-11-2007)
51.	Green Buildings: Architecture with Sustainable Design Requirements	AICTE Spons. STTP on Enabling Tech. in Energy and Man., Electrical Engg. Dept. on 22-08-2008.	11-08-08 to 22-08-08
52.	Urban Public Transportation in India	Texas Transportn. Inst., Texas A&M	04-12-2008

		Uty. College Station, Texas, USA	
53-57	Road Safety in India - An Overview and RSA: Intro. & Methodol. Speed and Hazard Management Road Safety Audit Checklists: Planning, and Design Stages Road Safety Audit Checklists: Development and Const. Stages Importance of Safety and Pavement Evaluation (5 Lectures)	"Training on Traffic and Work-zone Safety Audit", Org. by NHAI, HAKS Engrs and Architects, & InfoTrans Engrs Pvt Ltd, Road Safety Consultants for 4/6 lane PPP Projects of Tamilnadu, Kerala, and Karnataka, at Hotel Plaza, Coimbatore	24-02-11 to 26-02-11
58-62	Road Safety in India - An Overview and RSA: Intro. & Methodol. Speed and Hazard Management Road Safety Audit Checklists: Planning, and Design Stages Road Safety Audit Checklists: Development and Const. Stages Importance of Safety and Pavement Evaluation (5 Lectures)	"Training on Traffic and Work-zone Safety Audit", Org. by NHAI, HAKS Engrs and Architects, & InfoTrans Engrs Pvt Ltd, Road Safety Consultants for 4/6 lane PPP Projects of Tamilnadu, Kerala, and Karnataka, at Hotel Ambika Intl., Chennai	28-02-11 to 01-03-11
63-66	Road Safety in India - An Overview and RSA: Intro. & Methodol. Speed and Hazard Management Road Safety Audit Checklists: Planning, and Design Stages Road Safety Audit Checklists: Development and Const. Stages (4 Lectures)	"Training on Traffic and Work-zone Safety Audit", Org. by NHAI, HAKS Engrs and Architects, & InfoTrans Engrs Pvt Ltd, Road Safety Consultants for 4/6 lane PPP Projects of Tamilnadu, Kerala, and Karnataka, at Hotel Hotel Holiday Palms, B'lore	03-03-11 to 05-03-11
67	An Introduction to Research and Consultancy at NITK	Orientation Prog. for Freshers - MTech, MCA, B.Tech (2011-12) at Silver Jubilee Audit., NITK, Surk'l	21-07-2011
68	An Introduction to Highway Geometrics	Keynote address at the Inauguration of <i>SRISHTICA</i> - Civil Engrg. Stud. Chap., Srinivas Col. of Engrg., Mang.	18-08-2011
69	An Introduction to Urbanization and Climate Change	Keynote address on the occasion of the World Habitat Day", Vivekananda Col. Of Engrg., Puttur, Mangalore, Org. by Inst. of Engrs., Mangalore.	03-10-2011
70	<i>Effects of Urbanization, Impact on Urban Transport Systems in Developing Countries, and Sustainability Issues</i>	Keynote Address at Nat. Workshop on <i>Civil Engrg. Challenges in 21st Cen.</i> (CEC21-2014), Org. by Dept. of Civil Engg., Moodabidri Inst. of Tech. & Engrg., Mangalore	21-22 Feb 2014
71	Sustainability Issues in Urban Transport and Highway Engineering in India, and NITK Research Perspectives	Session Address at Intl. Workshop on Civil Infrastructure and Structural Materials, Org. by Dept. of Civil Engg., & TEQIP-NITK	28-29 Jul 2014
72.	Introduction to Traffic Engineering and Road Safety	Invited Lecture for Road Safety Week, at NITK Surathkal, Org. by NITK English Med. High School	19 th Jan 2015

Conferences, Conventions, Workshops, ISTE-AICTE Summer Schools/ Training Courses Organized

No.	Title	Organizers & Venue	Period
1	Member of the Transportn. Com. for XXIII An. Conven. of ISTE	KREC, Surathkal	26-12-93 to 28-12-93
2	Chairman of the Registration and Reception Committee, Internat. W/s on <i>Impact Eval. and Analysis of Transportn. Projects in Developing Countries</i> (IEATP-94)	IIT, Bombay.	13-12-94 to 16-12-94
3	Chairman, Regis.. & Recep. Com., Intl. W/s on ' <i>Transport Planning & Man. in Developing Countries</i> ' (TPMDC-96)	IIT, Bombay	04-12-96 to 12-12-96
4	Coordinator, W/s on ' <i>Decision Support System for Urban Bus Transport Management</i> ' for Senior Level Managers of BEST	IIT, Bombay.	13-04-1998
5	Mem. of Org. Com. for <i>Sem. on Traffic Safety</i>	Traffic Police Dept, & Rotary Club @ DC's Off., M'lore	20-12-98 to 21-12-98
6	Coordinator, Sem. on ' <i>Pav.t Design, Constrn., & Traffic Engg.</i> '	Indian Geotechnical Society, Surathkal Chapter, @ M'lore.	04-05-2k
7	Co-coordinator, Training Program on Low Cost Building Constrn.	CCE-CED, KREC, Surathkal	03-09-2k to 05-09-2k
8	Coordinator, W/s on ' <i>STRAP - A CAD Software for Civil Engineers</i> '	Civil Engg. Dept., NITK, and Ram Caddsys. Chennai, at NITK.	31-10-2k
9	Part of Org. Com. for Awareness Program for Bus Drivers on ' <i>Control of Vehicle Pollution Control, and Traffic Safety</i> '	Traffic Police Dept. & Bus Owners Assn. @ KPT, M'lore	20-11-01 to 22-11-01

10-21	Conducted PMGSY Training Programs for practicing Engineers on ' <i>Design, Construction, and Maintenance of Rural Roads</i> ' (12 Courses) 02-10-03 to 07-10-03 12-07-04 to 17-07-04 02-08-04 to 07-08-04 16-08-04 to 21-08-04 20-09-04 to 25-09-04 05-10-04 to 11-10-04 06-12-04 to 11-12-04 17-01-05 to 17-01-05 10-01-05 to 15-01-05 17-04-06 to 22-04-06 24-07-06 to 29-07-06 31-07-06 to 05-08-06	CCE-CED-KREC, Sponsored by National Rural Road Development Agency, under the aegis of the Pradhan Mantry Gram Sadak Yojana (PMGSY) at NITK, Surathkal.	See Col. 2
22	Conducted a Seminar on ' <i>Earthquake Resistant Structures and Retrofitting of RC Structures</i> '	CCE-CED-NITK, Spon. by UNDP, and Min. of Home Affairs	21-01-04 to 22-01-04
23	Coordinator, W/s on ' <i>Apps. of Geophysical Investigns. including Ground Probing Radars in Civil Engg., Water Res. Man., & Mining</i> '	<i>Civil Engg. Assoc. 2004 & MHRD</i> – TAT Project, CED, NITK, & IGG Serv., New Delhi, at NITK	02-11-04
24	Coordinator, W/s on ' <i>PG Curriculum for Transptn. Syst. Engg.</i> '	Sponsored by TEQIP, NITK.	18-02005 to 19-02-05
25	Conducted W/s on ' <i>New Paradigms in Concrete. Technol.</i> '	CCE-CED-NITK, Surathkal	19-11-05
26	Coordinator, ' <i>NHAI 3 Day User's Workshop</i> ' under the Road Safety Training Project-UW8	Org. by NHAI, spons. by ICT, held at Errum Manzil, Hyderabad	21-11-05 to 23-11-05
27	Coordinator, ' <i>NHAI 3 Day User's Workshop</i> ' under the Road Safety Training Project-UW8	Org. by NHAI, spons. by ICT, held at Errum Manzil, Hyderabad	26-11-05 to 26-11-05
28	Convener, Conference Subcommittee for Conf. on ' <i>Synergic Solutions Sust. Dev.-A Prescription for Prosperity</i> '	CED, NITK, Surathkal	28-12-05 to 30-12-05
29	Coordinator, Contin. Educ. Prog. on ' <i>Design, Construction, and Maintenance of Roads, and Safety Measures</i> ,	CCE & CED, NITK, at NITK for PWD Engrs, Spon. by Engg Staff Col., Krishna Raja Sagara, Res. Stn., Mysore.	08-01-07 to 12-01-07
30	Coordinator for FANTASTICITY- Inter Col. Comp. On Town Plang.: Engineer 2006-07	NITK, Surathkal	09-03-07
31	Coordinator, W/s on AUTODESK-REVIT	NITK, Surathkal	09-03-07
32	Coordinator, FANTASTICITY- Inter Col. Comp. On Town Plang.: Engineer 2007-08	NITK, Surathkal	11-03-08
33	Coordinator, FANTASTICITY- Inter Col. Comp. On Town Plang. : Engineer 2008-09	NITK, Surathkal	20-03-09
34	Chairman, Souvenir Committee – 39 th ISTE Ann. Convention	ISTE & NITK, Surathkal	18-12-11 to 20-12-09
35	Chairman, Souv. Com. – 24 th An. Congress of Ins. of Engrs.	IE & NITK, Surathkal	11-12-09 to 14-12-09
36	Coordinator, FANTASTICITY- Inter Col. Comp. On Town Plang. : Engineer 2009-10	NITK, Surathkal	31-10-09
37	Coordinator, FANTASTICITY- Inter Col. Comp. On Town Plang.: Engineer 2010-11	NITK, Surathkal	30-10-10
38	Conducted NHAI Training on ' <i>Traffic and Work Zone Safety Audit for Concessionaires and Road Safety Audit Personnel of Karnataka, Tamilnadu and Kerala for 4/6 lane PPP Projects</i>	Org. by NHAI, HAKS Engrs and Architects, & InfoTrans Engrs Pvt Ltd at Hotel Plaza, Coimbatore	24-02-11 to 26-02-11
39	Conducted NHAI Training on ' <i>Traffic and Work Zone Safety Audit for Concessionaires and Road Safety Audit Personnel of Karnataka, Tamilnadu and Kerala for 4/6 lane PPP Projects</i>	Org. by NHAI, HAKS Engrs and Architects, & InfoTrans Engrs Pvt Ltd at Hotel Ambika Intl., Chennai	24-02-11 to 26-02-11
40	Conducted NHAI Training on ' <i>Traffic and Work Zone Safety Audit for Concessionaires and Road Safety Audit Personnel of Karnataka, Tamilnadu and Kerala for 4/6 lane PPP Projects</i>	Org. by NHAI, HAKS Engrs and Architects, & InfoTrans Engrs Pvt Ltd at Hotl. Holiday Palms, B'lore	28-02-11 to 01-03-11
41	Coordinator, FANTASTICITY- Inter Col. Comp. On Town Plang: Engineer 2011-12	NITK, Surathkal	29-10-11
42	Conducted Seminar on ' <i>Urbanization and Climate Change on World Habitat Day</i>	Org. Inst. of Engrs., M'lore, at Vivekananda Col. Of Engg., Puttur	03-10-11
42	Co-Coordinator, FANTASTICITY- Inter Col. Comp. On Town Plang: Engineer 2011-12	NITK, Surathkal	30-03-12
43	Coordinator: Fifth Program Advisory Committee Meeting Meeting and Review of Civil and Envi. Engrg. Projects for DST <i>Coordinator: Dr. Varghese George</i> <i>Co-coordinator: Dr. Shrihar S.</i>	CED, NITK, Surathkal Org. by Dept of Civil Engg., NITK, and Spon. by Science and Engg. Res.Board (SERB), New Delhi	6-7 Feb 2014
44	Coordinator: Interaction of the Faculty of Civil Engrg. with Experts from IITs on UG Syllabus Revision	CED, NITK, Surathkal Org. by Dept of Civil Engg., NITK,	7 th Feb 2014
45	Coordinator: Interaction of the Faculty and Students of MTech Transportn. Engg. with Prof. Parthto Chakraborty, IIT Kanpur	CED, NITK, Surathkal Org. by Dept of Civil Engg., NITK,	7 th Feb 2014

46	Convener: Transport Committee: 1 st Annual Conference on Innovations and Developments in Civil Engg. (ACIDIC-2014)	CED, NITK, Surathkal Org. by Dept of Civil Engg., and TEQIP, NITK,	May 19-20, 2014
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Conferences, Conventions, & Workshops Attended

Sl. No.	Title	Organizers & Venue	Period
1	7th National Convention on Environmental Engg.	Mangalore	28-10-91 to 29-10-91
2	7th International Conference on Urban Transport in Developing Countries (CODATU - 96)	at New Delhi by CODATU, Paris	02-02-96 to 16-02-96
3	International Workshop on Transport Planning and Management in Developing Countries (TPMDC-96)	IIT, Bombay	04-12-96 to 12-12-96
4	8 th World Conf. on Transport Research (WCTR-98)	Uty. of Antwerp, Belgium	12-07-98 to 17-07-98
5	the 4 th International Conference on Design and Decision Support Systems (DDSS-98)	Maastricht, The Netherlands, by Tech. Uty. Of Eindhoven	26-07-98 to 28-07-98
6	An. Conv. of Indian Roads Congr. 2009 (IRC-2009)	Patna, Bihar	09-11-09 to 13-11-09
7	National Conference on Recent Developments in Civil Engineering-2011 (RDCE-2011)	Org. by CED Manipal Inst. of Tech., Manipal	13-01-11 to 14-01-11
8	Seminar on <i>Urbanization and Climate Change</i> Keynote address on <i>World Habitat Day</i>	Org. Inst. of Engrs., M'lore Chapter., at Vivekananda Col. of Engg., Puttur	03-10-11
9	Intl. Symposium on Engrg. and Sciences (IES-2012)	NITK Surathkal, MIT Manipal, Kumamoto Uty, Kumamoto, Japan	05-03-12 to 07-03-12
10	IE Seminar on "Appropriate Climate Responsive Technol. for Inclusive Growth and Sust. Dev. ", on the 45 th Engrs' Day Celeb.	Inst. of Engrs India, MIT, Manipal	08-09-12
11	International Conference on Energy and Environment 2013 (ICEE-2013) <i>Chairman of 2 Sessions</i>	Rajiv Gandhi Inst. of Tech. (a Gov. of Kerala Undertaking), Nedumkuzhy, Vellore, Pampady, Kerala 686501	12-14 Dec 2013
12	National Workshop on <i>Civil Engineering Challenges in 21st Century</i> (CEC21-2014) <i>Resource Person & Keynote Address</i>	Org. by Dept. of Civil Engg., Moodabidri Inst. of Tech. & Engrg.	21-22 Feb 2014
13	1 st Annual Conference on Innovations and Developments in Civil Engg. (ACIDIC-2014)	Org. by Dept of Civil Engg., and TEQIP, NITK	19-20 May 2014
14	Civil Infrastructure and Structural Materials (CISM-2014) <i>Resource Person</i>	Org. by Dept of Civil Engg., and TEQIP, NITK,	28-29 Jul 2014
15	Int. Conf. on Info. Tech., Sc., Engrg., and Mangmt. <i>Best Paper Presentn., & Gold Medallion</i> -(ICITSEM-2015)	Held at Hyatt Place, Al-Rigga, Dubai.	25-26 Feb, 2015

ISTE-AICTE Summer/ Winter Schools /Refresher Courses Attended

Sl. No.	Title of Course	Conducted at	Period
1	Photogrammetry and Transportation Engg.	Anna University, Madras	04-05-88 to 17-05-88
2	Microprocessor Apps. in Comprehensive Transport Planng.	R.E.C., Warangal	29-05-89 to 10-06-89
3	Modelling the Urban Bus Transit System	I.I.T., Madras	16-12-91 to 29-12-91
4	Construction Programming and Management	T.K.M. College of Engg., Quilon	18-05-92 to 31-05-92
5	Geotextiles and their Appcns. in Civil Engg. Structures	KREC, Surathkal	30-10-92 to 02-12-92
6	Site Investigation Techniques for Civil Engg. Constructions, and Development of Engineering Geology and Geotechnology in India	KREC, Surathkal	29-12-97 to 10-01-98
7	Advanced Computer Appcns. In Transportation Engg.	REC, Tiruchirapalli	30-11-98 to 11-12-98
8	System Techniques and Appls. to Civil Engineering Problems	Dr. PGHalakatti Col. of Engrg. and Tech., Bijapur	28-12-98 to 09-01-99
9	Fuzzy Logic and Neural Networks in Chem. Process Automation	KREC, Surathkal	15-02-99 to 27-02-99
10	Computer Aided Analysis and Design of Engineering Structures	MIT, Manipal	16-08-99 to 28-08-99
11	Internet, Intranet and Programming	KREC, Surathkal	22-11-99 to 04-12-99
12	Engrg. Geology and Geotechnology Role in Country Plang. & Dev.	KREC, Surathkal	27-12-99 to 08-01-2K
13	Sustainable Urban Transportation Systems Planning	IIT, Madras	18-12-2K to 22-12-2K
14	Remote Sensing and Geogr. Info. Sys. For Resource Mangmt.	NITK, Surathkal	14-01-02 to 25-01-02
15	Advances in Latest Trends in Engg. Geology and Geotechnology	NITK, Surathkal	31-12-02 to 12-01-03

Special Training Programmes and Certificate Courses Attended

No.	Title of Course	Conducted at	Period
1.	Professional Development (HRD) Programme	K.R.E.C., Surathkal	22-07-91 to 26-07-91
2.	UNIX - an Introduction and Utilization	CCE, KREC, Surathkal	10-05-93 to 21-05-93
3.	In-house Training Programmes on Operation and Maintenance of Personal Computers	KREC, Surathkal	1992
4.	NETWARE for LAN	KREC, Surathkal	1993
5.	dBASE - III Plus	KREC, Surathkal	1994
6.	Internet Workshop	Comp. Sc.& Engg. Assoc., CSE Dept., IIT, Bombay	1996
7.	W/s on Project Management	KREC, Surathkal, & PMI Bangalore	19-12-98
8.	W/s on Technology Management	KREC, Surathkal & DSIR, New Delhi	23-01-99
9.	W/s on Earthquake Resist. Struc. & Retrofitting of RC Struc.	NITK, Surathkal & UNDP, GOI.	21-01-04 & 22-01-04
10.	National Board of Accreditation Assessor's Training & W/s	NITK, Surathkal	08-05-04 & 09-05-04
11.	Special Training Program for Staff Counselors	NITK, Surathkal	16 th July 2004
12.	One week Training on Zond 12e Ground Probing Radar provided by Mr. Sanjay Rana, IGG Parsan, New Delhi	NITK, Surathkal & MHRD TAT Program by IGG-Parsan Overseas	27-10-04 to 03-11-04
13.	Workshop on 'Knowledge Management' at NITK, Surathkal	NITK, Surathkal, sponsored by TEQIP and Alumni Assoc. of NITK	22-12-04 to 24-12-04
14.	Attended <i>Training of Trainers for Dissemination of Road Safety Manual</i>	Haryana Institute of Pub. Admin. Gurgaon, by NHA, & Intercontinental Consultancy Services Ltd. Singapore	24-05-05 to 27-05-05
15.	Workshop on Grading in Credit System in NITK	Held at NITK, sponsored by TEQIP,	12-11-05
16.	Workshop on Refinement of NITK Academic Regulation	Held at NITK, sponsored by TEQIP	23-05-06
17.	Training on Pavement Evaluation using ROMDOS	Held at NITK, by ROMDOS	2007
18.	Indo Jap. W/s on <i>Recent Advances in Geotech. I Engg.</i>	Held at NITK, sponsored by TEQIP	04-03-08
19.	Green Buildings: Architecture with Sust. Des. Reqmts.	Held at Engineering Staff College of India, Gachi Bowli, Hyderabad-32	01-03 May 2008
20.	Workshop on Tejus Light Combat Aircraft	Org. by DRDO/ADA at NITK	17-10-08
21.	Workshop on Strategic Planning for the Institute	Held at NITK, Surathkal	06-08-08
22.	Workshop on Intellectual Property Rights	Held at NITK, Surathkal	04-05 May 2009
23.	Dale-Carnegie Cert. Mission10X W/s on High Impact Teaching Skills	At NITK, S'kal by Wipro Tech. B'lore	17-21 May 2010
24.	ROMDAS-Road Measurement Data Acquisition System	At NITK, S'kal by ROMDAS, Nethlds.	17-23 Sep 2010
25.	Model Development with Cube Base and Cube Voyager by M/s Citilabs Singapore	At Schl. of Plng. & Arch., Delhi by Citilabs	5-8 Nov 2012
26.	Man. Cap. Enhance. Prog. For Teachers and Adminstrs.	IIM Indore	23-29 Aug, 2016

Community Service and Extra Curricular Activities

	Organization	Role	Period
1.	KREC/ NITK Students cum Staff Onam Celebrations	Exe. Com. Mem.	1990-92 & 1999 onwards
2.	KREC Consumer's Cooperative Society Ltd. (L886) <u>Major Contributions:</u> Merger of KREC Canteen Coop Soc to KREC Consumer Coop. Soc. Increased assets by 3.87 lakhs Paid back Rs 2 lakhs out of Rs 5 lakhs taken as loan from NITK Credit Coop Soc. Paid back IT dues of 50,000 Rs out of Rs 1.5lakh Installed software and computers for billing, and accounting Installed a lamination machine for the Printing Section Purchased a refrigerator 275 Lit and a 200 lit deep freezer Fabricated 4 display shelves, 80 ft hangers, & 4 wire mesh Repainted the Cooperative Store premises Dividend declared for the years 2005-06 Distributed all pending bonuses up to 2004 and 2005 Enrolled employees under EPF and Insurance Introduced payment of salary through bank a/c	Mem. of Board of Dir. Secretary	2004-05 & 2005-10 2004-05 & 2005-06
3	St. Anthony's Jacobite Syrian Church, Mangalore The Church supports a school "Syrian Mission Higher Primary School" under the management of St. Anthony's Educational Society, Honovar. <u>It supports the following:</u> . a home for the abandoned elderly, and an orphanage . encouragement to talents of children and youth	Member Mem. of Exe.Com. Mem. of Renov. Com. Headmaster of Sun. Sch Secretary of the Church Com. Mem.	1986 onwards 1991-94; 98-07; 15-17; 1998-2010 1997-98 to 2007-08 1999-2000 & 2003-2004 2008-09;

	. fellowship meetings and prayers for families		
4.	Lions Club International, Surathkal Chapter – 324-D4 It supports the following: . a school for the Physically and Mentally Challenged . maintenance and renovn. of a crematorium @ Surathkal. . 3 adopted schools in rural areas . earth quake relief measures	Member Joint Secretary Secretary II Vice President	1998 Jul - 2003 1999-2000 2000-2001 2001-2002
5.	KREC Staff Club	Exe. Com. Mem.	1998
6.	QIP Building Residents Welfare Society, IIT, Bom.	President	1995
7.	Malayali Students Cultural Association, IIT, Bombay	President	1994 to 1995
8.	QIP Research Scholars Forum, IIT, Bombay	Joint Secretary	1995 to 1996
9.	Y.M.C.A. Ernakulam (L/445)	Life Member	22-10-1993 onwards
10.	Y's Mens Club of Mangalore	Member Joint Secretary	21-9-91 to 31-5-92 1992 to 1993
11.	KREC, English Medium High School, Surathkal Parent Teacher Association	Joint Secretary Exec. Mem.& Std10 Rep	1992 to 1994 2006-07

MAJOR CONTRIBUTIONS TO NITK

1) Equipment/ Software Procured for Labs through Research Funds

	Equipment / Software Purchased	Sponsoring Agency	Cost
1.	Zond 12 e Ground Probing Radar and PRISM Soft. Portable FWD Transyt 12 Software Others (Laptop, Desktop, Printer, Scanner, etc) Recurring Expenses	MHRD-TAT Research Project	Rs. 10.7 Lakhs Rs. 2.5 Lakhs Rs. 0.8 Lakhs Rs. 2.5 Lakhs Rs. 1.5 Lakhs Rs.18.0 Lakhs
		MHRD TAT Project Total	
2.	CESVA Sound Level Meter	MHRD-NITK 2003-04 Ann. Plan Fund	Rs. 1.6 Lakhs
3.	CUBE-Voyager Software for Transp. Sys.Planning	MHRD-NITK 2003-04 Ann. Plan Fund	Rs. 2.1 Lakhs
4.	Equipment for Surveying Laboratory and Maint.	1999-01 5L; 2008-09 0.42L; 2010-11 2L	Rs. 7.42 Lakhs
5.	SPSS Software for Statistical Analysis	TEQIP Fund 2004-05 (Phase 1)	Rs. 3.5 Lakhs
6.	MX Road Software, Bump Integrator, ROMDAS	TEQIP Fund 2008-10 (Phase 1)	Rs. 40.0 Lakhs
7.	Cube 6.0 for Transp. Sys.Planning	TEQIP Fund 2011-13 (Phase 2)	Rs. 8.37 Lakhs
8.	VISSIM and VISUM for Transp. Sys.Planning	TEQIP Fund 2011-13 (Phase 2)	Rs. 7.17 Lakhs
9.	Infra-red Thermometer (Transp. Engg. Lab.) Laser Distance Meter (Transp. Engg. Lab.)	Annual Plan Fund 2011-12 Dept. Operating Cost Fund 2013-14	Rs. 0.035 Lakhs Rs. 0.105 Lakhs
10.	Establishment of AutoCAD Lab	Annual Plan Fund 2014-16 58 comps 15.12 (2014-15) + 23.13 (2015-16)	Rs. 38.25 Lakhs
		Grand Total	Rs 1.2647 Crores

2) Proposed A New M.Tech Course on Transportation Systems Engg.

Proposed A New M.Tech Course on Transportation Systems Engg. in 1989, 1992, & 2003
AICTE & MHRD clearances was obtained in 2001 & Course commenced on a self-financing basis from 2004-05
The course content and syllabi were stabilized in 2005-06
Necessary Software such as Cube (2003-04; 2013-14) and VISSIM (2013-14) were procured

3) Secretary and Member of Board of Directors of KREC Consumer's Cooperative Society Ltd. 2004-05 & 2005-10

Merger of KREC Canteen Coop Soc to KREC Consumer Coop. Soc. Increased assets by 3.87 lakhs
Paid back Rs 2 lakhs out of Rs 5 lakhs taken as loan from NITK Credit Coop Soc.
Paid back IT dues of 50000 Rs out of total dues of 1.5lakh Rs.
Installed software and computers for billing, and accounting
Purchased a lamination machine for the Printing Section
Purchased a refrigerator 275 Lit and a 200 lit deep freezer for the consumer section
Fabricated 4 new shelves, 80 ft hangers, 4 wire mesh crates, fixing fans, & repainting
Dividend declared for the years 2005-06 and 2006-07 and paid pending bonuses up to 2005
Enrolled employees under EPF and Insurance
Introduced payment of salary to bank account of employees
Implemented revised pay scales for employees

4) Contribution to Consultancy of Institute: MSEZ Surveying, MRPL Township, New NITK Underpass, etc.

5) Associate Dean (Res. and Cosul.): Stud. Internships, Summer Schools, MOUs, & NITK Res. Bulletin; SIRO Documentation; Technical Digest

6) Chairman of Publication Committee of ISTE and IE Conferences held at NITK in Dec 2010

LIST OF PUBLICATIONS

Dr. Varghese George, NITK, Surathkal

INTERNATIONAL JOURNAL-PAPERS PUBLISHED/ IN PRESS (JOURNALS PUBLISHED ABROAD)

1. George Varghese, Ch.Rao, Nageshwar, Shivashankar, R. (2008 online, 2009 print) **PFWD, DCP and CBR Correlations for Evaluation of Lateritic Subgrades**, *International Journal of Pavement Engineering*, Taylor and Francis Publications, Vol. 10, Issue 3 (June), pp. 189-199. ISSN: 1029-8436 (Print), ISSN: 1477-268X (Online); Imp. Fac. 0.403-0.60. Online Pub. on 10th Oct. 2008; DOI:10.1080/10298430802342765 at <http://www.informaworld.com> (<http://www.informaworld.com/smpp/title~content=g769572532~db=all~tab=forthcoming>). <http://www.tandfonline.com/doi/pdf/10.1080/10298430802342765>.
2. Suresha S.N., George, Varghese, and Ravi Shankar, A.U. (2008 online, 2009 print) **A comparative study on properties of porous friction course mixes with neat bitumen and modified binders**, *Journal of Construction and Building Materials*, Elsevier Publications, Vol.3, Issue 3, March 2009, pp. 1211-1217. ISSN: 0950-0618, Imp. fac. 1.834. Online Pub. on 21st Sep. 2008; DOI: 10.1016/j.conbuildmat.2008.08.008 at <http://dx.doi.org/10.1016/j.conbuildmat.2008.08.008>. <http://www.sciencedirect.com/science/article/pii/S0950061808002407>.
3. George, Varghese, Rao Ch., Nageshwar, Shivashankar, R. (2008 Online, 2009 Print) **Effect of Soil Parameters on Dynamic Cone Penetration Indices of Laterite Sub-grade Soils**, *Journal of Geotechnical and Geological Engineering*, Vol. 27, pp. 585-593. (Springer Pub.) ISSN: 0960-3182 (Print); ISSN: 1573-1529 (Online); Imp. Fac. 0.517. Online Pub. on 7th Nov. 2008; DOI: 10.1007/s10706-008-9248-6. <http://www.springerlink.com/content/j6027g3v545lr203/>; <http://link.springer.com/article/10.1007%2Fs10706-008-9248-6>.
4. Suresha S.N., George Varghese, and Ravi Shankar, A.U. (2009-online and in print). **Characterization of porous friction course mixes for different Marshall compaction efforts**, *Journal of Constrn. and Building Mat.*, Elsevier Pub., Vol. 23, Issue 8, pp. 2887-2893. Online: DOI: 10.1016/j.conbuildmat.2009.02.008. ISSN: 0950-0618, Imp. fac. 1.834. <http://www.sciencedirect.com/science/article/pii/S0950061809000695>.
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9. George, Varghese, Hegde, Ramakrishna, Vishnuvardhana, M., Santosh G., Gotamey, Dwarika (2012) **“Accelerated Consolidation of Coir Reinforced Lithomargic Laterite Soil Blends with Vertical Sand Drains for Pavements.”** *Electronic Journal of Geotechnical Engineering*, Paper #12.177, Vol. 17, Bundle. O, July, pp. 2115-2133. ISSN 1089-3032. Imp. fac. 0.25. Available at <http://www.ejge.com/2012/Abs12.177.htm>; and <http://www.ejge.com/2012/Ppr12.177alr.pdf>.
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11. George, Varghese, and Kumar, Anil (online 2016) **Studies on Modulus of resilience using Cyclic Triaxial Test and Correlations to PFWD, DCP, and CBR**, Submission no. *GPAV-2015-0437.R3*, *International Journal of Pavement Engineering*, Taylor-Francis Publications. DOI:10.1080/10298436.2016.1230428.

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2. Suresha, S.N., Ravishankar, A.U., and George, Varghese (2006) **Investigation of Porous Friction Courses and Mixes: A Brief Overview**, *Indian Highways*, Vol. 35.No.7, pp. 21-43. ISSN 0376-7256; Imp. Fac. 0.23.
3. Rao, Ch. Nageshwar, George Varghese, and Shivashankar, R. (2007) **Laboratory Studies on Correlations between PFWD and DCP for Lateritic Subgrades of Dakshina Kannada District**, *NITK Research Bulletin*, Vol.16, No.2, Dec, pp. 25-31.
4. Suresha S.N., Ravi Shankar, A.U., and George, Varghese (2009) **Design charts for drainage capacities of granular sub-bases.** *Journal of Indian Roads Congress*, Vol. 70-1, Jan.-Mar. 2009, pp. 89-99. ISSN 0258-0500; Imp. Fac. 0.23.
5. George, Varghese, Ch., Nageshwar Rao, Shivashankar, R. (2009) **Strength and Stiffness of Soaked Laterite Soils Blended with fines and PFWD, PBT, DCP, and CBR Correlations**, *Highway Research Journal of the Indian Roads Congress*, Vol. 2, No.1, pp. 93-106.
6. George, Varghese, Ch., Nageshwar Rao, Shivashankar, R. (2009) **"A Laboratory Investigation on Evaluation of Lateritic Subgrades Using PFWD and CBR, and Their Correlations**, *Highway Research Journal of Indian Roads Congress*, Vol. 2, No. 2, pp. 51-61.
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16. George, Varghese, and Hemanth, K.R. (2012) **TRANSYT Application in Coordinated Traffic Signal Design for Three Major Junctions of Mangalore City**. *Intl. Journal of Earth Sciences and Engrg.*, (ISSN 0974-5904), Vol. 5, No. 5(1), pp. 1371-1376.
17. George, Varghese (2012) **Green Building: A Review of Basic Concepts, Major Influencing Factors, Leed Rating, and Implementation**, *NITK Research Bulletin*, Vol. 21, No. 2, Dec., pp. 1-8.
18. Kokaz, Faris Aswad, and George, Varghese (2013) **Warm Mix Asphalt And Comparisons To Hot-Mix Asphalt**, *NITK Research Bulletin*, Vol. 22, No. 1, Jul., pp. 10-15.
19. Kumar, Anil, George, Varghese, and Verma, Rakesh (2013) **Shake-Table and Its Applications in Fields of Research in Civil Engineering**, *NITK Research Bulletin*, Vol. 22, No. 1, Jul., pp. 27-29.
20. Kanthi, Rohini, and George, Varghese (2013) **Preliminary Studies on Binary, Multinomial, and Generalized Extreme Value Logit Models**, *NITK Research Bulletin*, Vol. 22, No. 1, Jul., pp. 53-57.

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2. George, Varghese, Dhingra, S.L., and Sikdar, P.K. (1996) **An Advanced RDBMS Approach for the Design of an Information System for Performance Evaluation in Urban Public Transport**, *Proc. Int. Workshop on Transport Planning and Management (TPMDC-96)*, Indian Institute of Technology, Bombay, (Organized by Indian Institute of Technology, Bombay), December 4-12, pp.IX/1-18.
3. George, Varghese, Dhingra, S.L., and Sikdar, P.K. (1998) **The Role of Expert Systems, and RDBMS Strategies in a DSS for Urban Bus Transport Management**, *Proc. 4th Design and Decision Support Systems Conference in Architecture and Urban Planning (DDSS-4)*, Maastricht, *The Netherlands*, July 26-29 (in CDROM).
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6. Ch. Nageshwar Rao, George, Varghese, and Shivashankar, R. (2008) **PFWD, CBR and DCP Evaluation of Lateritic Subgrades of Dakshina Kannada, India**, *Proc. 12th International Conference of International Association for Computer Methods and Advances in Geomechanics (12IACMAG)*, organized by IITB, at Goa, 1-6, October, at Goa, pp. 4417-23.
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International			National		
International Journals	11	Published	Refereed Indian Journals	23	Published
	0	Accepted		+1	Under Review
International Conferences	11	Papers Published	National Level Conferences	3	Papers Published
	1	Abstracts Published	Seminars/ Symposiums/ Workshops	9	Papers Published
Total	23	International Papers	Total	36	National Publications

Journals Published include: Taylor and Francis - 3; ASCE – 1; Elsevier – 2; Springer – 2; IRC – 7;

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