

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
Passport Details:	No: Z2850817 Valid upto: 20-02-2024 Issued at: Bangalore on: 21-02-2014	Mother: Agnes Gracy George



Career Objective:

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

Highlights:

- 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*
- 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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Email/Website:

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Website: www.nitk.ac.in

Academic Qualifications

Degree	Year	Class	School/ College/ Institute	Board/ University
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>Award for Best Civil Engineer (Acad) from Smart Infracst. Eng.Serv.Trust, at Osmania Uty. 16th Sep 2016</i>
<i>Certificate of Excellence for Outstanding Paper Presentn. with Citation & Gold Medallion, at ICITSEM, Dubai - 2015</i>
<i>Special Award Received for Contributions to Rural Roads Committee of Indian Roads Congress, New Delhi - 2004</i>
<i>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		Duration
Lecturer in Civil Engrg.	Department of Civil Engineering, NITK	15-07-1986 to 15-07-1992
Associate Professor	Department of Civil Engineering, NITK	01-01-2006 to 26-02-2007
Professor (Hr. Gr.- 4 tier)	Department of Civil Engineering, NITK	10-03-2015 onwards
Associate Dean (Research & Consul.)	Department of Civil Engineering, NITK	01-05-2010 to 06-09-2013
Head of Department	Department of Civil Engineering, NITK	21-04-2017 to 22-04-2019
Industrial Experience:	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. • 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:	Intl. Conferences : University of Antwerp, Belgium (July 1998) TU-Delft, Netherlands (July 1998) Kumamoto Uty. Japan. (Mar. 2012) Al-Rigga, Dubai, UAE. (Feb 2015) Research Interactions : TTI (TAMU) USA (Dec 2008); NUS Singapore (Mar. 2012) Other Visits : Malaysia, France, Germany, & Luxemburg

THESIS GUIDANCE

1	Ph.D	5 Completed + 4 Ongoing
2	M.Tech	69 Completed + 2 Ongoing

SUMMARY OF PAPER PUBLICATIONS ON RESEARCH

International			National		
International Journals	21 +0	Published Under Review	Refereed Indian Journals	22 +0	Published Under Review
International Conferences	19	Papers Published	National Level Conferences	13	Papers Published
	1	Abstracts Published	Seminars/ Symposiums/ Workshops		
Total	41	International Papers	Total	35	National Publications

Journals Published include: Taylor & Fran.-7; Springer-5; Elsevier-2; ASCE-3; IRC-7; IEEE-3;

GOOGLE SCH. RATINGS Citations after 2010 = 224 H – Index 8

ORCID: 0000-0003-1497-9603

RES. GATE RATINGS Citations after 2010 = 153 H – Index 7 **RG Reads 4390 RG Score 13.93 Res. ID: C-5650-2017**

Review Work Undertaken for Journals and Conferences

- Reviewer for Transportation Research Board, Washington – 2011-13
- Reviewer for Taylor and Francis: Jou. Civil Engg. and Management – 2010-12
- Reviewer for Taylor and Francis: Intl Jou. Pav. Engrg. – 2009-13
- Reviewer for Instn. of Civil Engrs. (UK): Jou. Ground Improvement - 2015 onwards
- Reviewer for Journal of Transportation Geotechniques-Elsevier - 2016 onwards
- Reviewer for Indian Roads Congress Journal & Pubs. – 2003 onwards

Editorial Work Undertaken for Journals and Conferences

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

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 AIE A/ 501139/ 7	31-07-2007 onwards
4	Life Member of the Institute of Urban Transport	IUT-182	12-10-1992 onwards
6	ASCE - Member of ASCE, USA	ID# 10168893	03- 04-1998 onwards 16-03-2015 onwards

Sponsored Research Projects Undertaken

Sl. No.	Project Title and Chief Project Investigator (PI)	Total Amount Sanctioned	Status
1.	Experiments. Studies on Non-Destructive Tests for Pav. Evaln. of Low Cost Roads and Modified Geosyn. Reinf. Soil Subgrades for Rural & Semi-Urban Areas of Dakshina Kannada Dist.	Rs.18,00,000 (USD 45000)	Extended to 2006 Completed
2.	Origin and Destination Studies for Hubli-Dharwad Twin City Urban Environment	Rs 5,00,000 (USD 11,000)	Completed
3	Commuter Perception on Service Quality and the Expected Level of Service of KSRTC Mangalore Division Services	Rs 8,000	Completed

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
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	Erection of Tall Chimney Towers for Mangalore Chemicals and Fertilizers (Rs. 20, 000 Outl.)	2003-2004
4	Planning of Toy Train Tracks for Kadri Park, & Pilikula Nisarga Dhama (Zoo & water Park) (Rs. 0.5 Cr Outl.)	2004-2007
5	Digital Land-Survey & Plan for SEZ, M'lore SEZ – Phase I, II, & III - 1300 acres (Rs 40L Outl.) Rs 2.21L	2006-2008
6	Residential Township Layout for MRPL for Rehab. of 300 Displaced Famil – 57 acres (Rs 10L Outl) Rs 0.75L	2006-2008
7	Member of Advisory Committee for CTTTP, under Deputy Commissioner, DK, Mangalore	2006-2013
8	Design and Layout of 2 lane Underpass with Footpath for NITK (Rs. 5 Crore Outlay)	2010-2011
9	Member of Technical Advisory Board of Agricultural Produce and Marketing Corporation (APMC), M'lore	2010-2014
10	Member of Technical Advisory Board of Pilikula Nisarga Dhama (Zoo & Water Park), Mangalore	2010-2014
11	Design of Rigid Pavement – Mangalore City Corporation	Rs 0.50L 2016-2017
12	Building Stability and Renovation for heritage Building of St Aloysius College, Mangalore	Rs 0.15L 2018-2019
13	Construction of Double Track between Mangalore and Panambur – Southern Railway	2019-2020

Subjects Taught

Subjects Currently Taught
Transportation Engineering-I&II (Highways, Railways, Airports, Tunnels, and Harbours)
Building Construction, Town Planning & Architecture
Urban Transport Planning (M.Tech)
Traffic Flow Theory (M.Tech)

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	Head of Department of Civil Engineering, NITK	21 st Apr. 2017 to 20 Apr 2019
2	Associate Dean (Res. & Consul.) SIRO; SIP; NITKRes.Bul.; STTP; Tec.Dig	01-05-2010 to 06-09-2013 (3y 4m)
3	Editor- NITK Research Bulletin (Biannual Publication) + Cover Designing	2010 to 2013 Sep
4	Member of Research Advisory Board, NITK	2010 onwards
5	IGNOU – Distance Education Counselor (Indira Gandhi Nat. Open Univ.)	2002 - 2008
6	Estate Office & Works - Faculty In Charge	2008 (Jun-Jul)
7	PMGSY Resource-Person for Training Practicing Engrs. (Org.12 Courses)	2003-05
8	TEQIP Phase I Mem. of Com. for Monit. & Evaln. of MHRD Funded Proj. Phase II TEQIP Departmental Representv. for MHRD Funded Proj.	2004-08 2010-17 Mar.