Narasimhan M.C

Professor, Department of Civil Engineering and
Dean (Planning and Development)

Resume'

1. Contact Details

Phone: Office : +91 824 2473336, +91 824 2473002 Residence : +91 824 2474336
Mobile (91) 9449163427 E-Mail: mattur.cn@gmail.com, mattur@nitk.ac.in

2. (a) Areas of Expertise:

Structural Mechanics, Concrete Technology, Analysis of Plates and Shells; Finite Element Method

(b) Current Research Interests:

Concrete Technology, Composite Plates and Shells, Concrete-filled tubes as structural elements

3.. Academic Record :

Certificate/ Degree	Specialisation	Board/College/Institute/ University	Year of completion	Percentage/ CGPA
S.S.L.C	Science, Maths & Social Sciences	Karnataka State Sec. Education Board	1975	81.3 %
P.U.C	Physics, Chemistry, Maths, Biology	Karnataka State Pre-University Board	1977	78.3 %
B.E	Civil Engineering	University of Mysore	1982	84.1% (Final Two Sems)
M.Tech	Engineering Mechanics	I.I.I. Madras, Chennai	1985	8.53
Ph.D	Structural Mechanics	I.I.T. Madras, Chennai	1993	NA

4. Employment Recod:

Employer	Post held	From	To
Director, NITK, Surathkal	Professor, Civil Engg	July 2002	Till Date
Principal, KREC, Surathkal	Asst. Professor, Dept. of Appld. Mech	Sept 1995	June 2002
Principal, KREC, Surathkal	Sr. Lecturer Dept. of Appld. Mech	Sept 1990	Aug 1995
Principal, KREC, Surathkal	Lecturer, Dept. of Appld. Mech	Sept 1985	Aug 1991
Principal, Bapuji Inst. of Engg & Tech, Davanagere	Lecturer, Dept. of Civil Engg	Jan 1985	Aug 1985
Principal, Bapuji Inst. of Engg & Tech, Davanagere	Lecturer, Dept. of Civil Engg	Dec 1982	July 1983

5. List of Ph.D Dissertations Guided:

1. Manoj Kumar Chitawadagi (2009) '
   Structural Performance of Concrete-filled Steel Tubes Subjected to Axial Compression and
   . Flexure

2. M. Rame Gowda (2010)
   Development and Preiction of Properties of Self-compacting Concrete

3. M.Nazeer (2011)
   Strength and Durability Studies on High Performance Concrete in Marine Environment

4. Gopnatha Nayak (2012)
   Strength and Durability Studies Self Compacting High Volume fly ash concrete Mixes

5. Sujatha Unnikrishnan (2013)
   Seismic Response of Laterite Masonry Structures

5 (a) List of Doctoral Research Students (Ongoing-works)

1. Mr. Santhosh Kumar M,
   Topic: **Studies on Performance Characteristics of Hydrogen Loaded Concrete**

2. Mr. Manjunatha S.B,
   Alkali Activated Concrete Systems Using Dredged Marine Sand and Higher-Size Coarse aggregate for Pavement Applications

3. Mr. Mithun B.M,
   Performance Studies on Self-cured, Alkali-Activated Slag Concrete Mixes with Copper Slag Fine Aggregate

List of Research Publications (last Four Years)

International Journals

1. M. Rame Gowda, M.C. Narasimhan and Karisiddappa,
   Development and Study of Strength of Self-Compacting Mortar Mixes using Local Materials,
   ASCE Journal of Materials in Civil Engineering, Vol 23,No.05,2011,525-32

2. **Manojkumar V. Chitawadagi, Mattur C. Narasimhan and S. M. Kulkarni**,
   Axial Capacity of Rectangular Concrete-filled Steel Tube Columns-DOE Approach
   Construction and Building Materials Vol 24, No. 4, April 2010, 585-595

3. Manojkumar V. Chitawadagi, Mattur C. Narasimhan and S.M. Kulkarni
   Axial Strength of Circular Concrete-filled Steel Tube Columns — DOE approach
   Journal of Constructional Steel Research, Vol 66. No.10, 2010, pp 1248-1260

4. Amrutha, Gopinatha Nayak, Mattur C.Narasimhan and S.V.Rajeeva
   High Temperature performance of Self Compacting Concrete High Volume Fly-Ash Mixes
   Journal of Structural Fire Engineering, Vol.2, 2, 2011, pp 81-90

5. M. Rame Gowda, M.C. Narasimhan and Karisiddappa,
   Mix Design and Performance Evaluation of Self-Compacting Concrete Mixes incorporating Rice Husk Ash, International Journal of Earth Sciences and Engineering, Vol. 03, No. 01, SPL. 2010, pp 203-210

6. Sujatha Unnikrishnan, Mattur C. Narasimhan and Katta Venkataramana,
   Studies on Uni-axial Compressive Strength of Laterite Masonry Prisms,
   International Journal of Earth Sciences and Engineering Vol. 04, No.02, 2011, pp 336

7. Sujatha Unnikrishnan, Mattur C. Narasimhan and Katta Venkataramana**,**
   Effect of Containment Reinforcement on the Seismic Response of Box-type Laterite Masonry Structures – An Analytical Evaluation,
   Earthquakes and Structures, Vol.5, No.1, 2013, 067-081

8. Santhosh Kumar M, Mattur C. Narasimhan and Karkera B.N
   Gamma Radiation Shielding Characteristics of Concrete Mixes - The State-of-Art,
   International Journal of Earth Sciences and Engineering Vol. , No. , 2013, pp 336

National Journals

1. M. Rame Gowda, M.C. Narasimhan, Karisiddappa and T.Kumuda,
   Predicting Compressive Strength of SCC Mixtures using Artificial Neural Networks,
   The Indian Concrete Journal, Vol 86, No.4, 2012, pp 19-25

2. Sujatha Unnikrishnan, Mattur C. Narasimhan and Katta Venkataramana
   Free Vibration Studies of Box-Type Laterite Masonry Structures,
   Journal of Structural Engineering, Vol 39, No.3, 2012, pp 332 - 346

International Conferences

1 Sujatha Unnikrishan, Mattur C. Narasimhan and Katta Venkataramana
Uniaxial Compressive Strength of Laterite Masonry Prisms – An Evaluation,
International Conference on Civil Engineering and Earth Sciences, Aug 21-22, 2010, Hyderabad,

2. Mattur C. Narasimhan, Gopinatha Nayak, B.T. Ajith and More Krishna Rao
Development of Alternate Binders to Portland Cement Concrete Using Fly-ash and Blast-Furnace Slag – Some Experiences,
UKIERI Concrete Congress on Concrete for 21st Century Constructions , March 8-10, 2011, New Delhi,

3. Santhosh Kumar M, Mattur C. Narasimhan and Karkera B.N
Gamma Radiation Shielding Characteristics of Concrete Mixes - The State-of-Art,
3rd International Engineering Symposium (IES 2013), Kumamoto University, Japan, March 4-6, 2013;

4. Manjunath S.B, Ravishankar A.U and Narasimhan M.C
Alkali-activated binder systems for pavement quality concrete
VIII CUTSE International Conference, Miri, Sarawak, Malaysia Dec 3-4, 2013

5. Mithun B.M and Mattur C. Narasimhan
Self-cured Alkali-activated slag Concrete Mixes – An Experimental Study
VIII CUTSE International Conference, Miri, Sarawak, Malaysia, Dec 3-4, 2013

6. Manjunatha S.B., Ravishankar A.U., and Narasimhan M.C
Alkali-activated binder systems for pavement quality concrete using Dredged marine sand as fine aggregate
Minomata International Symposium on Environment and Energy Technology (Mission 2013),
Kumamato, Japan, Dec 4-6, 2013

7. Dileep Kumar, Ranjani M.V.,Narasimhan M.C and Santhosh Kumar M
Performance of Recycled Aggregate Concrete Mixes – A Study Based on Taguchi's DOE Method,
UKIERI Concrete Congress on Innovations in Concrete Construction, Jalandhar, March 5-8, 2013

Membership of Professional Bodies

:

1. Life Member, Association of Consulting Civil Engineers(India), Bangalore.
2. Member, Indian Society for Earthquake Technology , Roorkee
3. Life Member, Indian Concrete Institute, Bangalore
4. Life Member, Indian Society of Technical Education, New Delhi
5. Associate Member (Life) , Institution of Engineers (India). Kolkatta
6. Member, American Concrete Institute, USA

Administrative Positions held in the Institute

1. Dean (Planning and Development) Since Feb 2014
2. Chief Vigilance Officer, NITK, July 2012 - Jan 2014
3. Professor and Head, Dept. of Civil Engineering, Sept 2006- Sept 2009
4. Faculty in-Charge (Estate & Works), NITK, 2003- 2005

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