Professional Experience

Total 34 years

Contact details

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Academic background

- Ph.D (NITK-S) 2008
- M.Tech (IIT Bombay) 1988
- B.Tech (KREC, Mysore University) 1981

Areas of Interest

- Structural Analysis and Design (RCC, PSC and Steel)
- Structural Optimization
- Math Modelling
- Unsaturated Soil Mechanics

Supervision of Ph.Ds

- Completed - 07.
- Ongoing - 04

Significant publications

1. Supriya R. Kulkarni, Ravikumara H. S, and K. S. Babu Narayan, Consequence Of Hinge Formation Sequence on Pushover Analysis Results, *Manipal J. Sci. Tech.* , vol.2(1), 41-46, 2017.
2. Neena Panandikar (Hede) and K.S. Babu Narayan (2015). Sensitivity of Pushover Curve to Material and Geometric Modelling -An Analytical Investigation. *Structures*, vol 2, 91-97.
3. Panandikar (Hede), N. and K.S. Babu Narayan, (2014). Stochastic Analysis to Assess Uncertainty in Pushover Analysis to Modelling Methods. Vulnerability, Uncertainty, and Risk. pp. 1311-1320. doi: 10.1061/9780784413609.132 . *American Society of Civil Engineers.*
4. K.S. Babu Narayan, Kishor S. Kulkarni and Subhash C. Yaragal, Forensic engineering of fire damaged concrete structures: state of the art, *J. of Forensic Engineering* - 2013,Vol.1, No.3/4, pp.342 - 354.
5 K. S. Babu Narayan, REALEX-SUMT an Algorithm for shape optimization of trusses, *Journal of Mechanics Structural*, Vol 2, No. 2, 2011, pp. 19 - 30.
6 K. S. Babu Narayan, The limit of limits, *Civil Computing, Computer Applications in Civil Engineering*, ACECOMS, AIT, Bangkok Volume M34-0312-0807 , 2007: pp 19 – 22.

7. K. S. Babu Narayan and Katta Venkataramana, Shape Optimization of Steel Reinforced Concrete Beams, *Computers and Concrete*, *Techno Press, Korea*, Volume 4, Number 4, 2007: pp 317 – 330.

8 K. S. Babu Narayan, Subhash C. Yaragal and Yukio Tamura, "Interaction envelopes for limit state design of chimneys", *Journal of Wind Engineering*, JAWE, Vol 31 No. 3 (No. 108), July 2006, pp. 439-442.

Achievements

- GJEC Visiting Professor - Kumamoto University, Japan
- HUDCO excellence award for promotion of cost effective construction technology, 2002.
- Recipient of "Young Civil Engineer – 2007" Award instituted by The Institution of Engineers (India)
- Structural Consultant for K2 which won the outstanding multi-storeyed building award – 2007 instituted by the ULTRATECH cements.
- Technical consultant to the Birla Super 53 grade cement and Technical Advisor to the ACC help Center.
- Has conceived, analyzed, designed, detailed and commissioned the centrally remote controlled QUICK RELEASE MOORING SYSTEM at New Mangalore Port Trust which has been approved by the Indian Register of Shipping.
- Has also designed testing facilities of capacity 4000 kN for testing mooring systems.
- Appreciation for "Contribution as a UKIERI Collaborative Concrete research Project Partner".
- Outstanding Constructor Award 2016 - ACC-ACCE(I),